

<JSP 实用教程>（第二版）

清华大学出版社（耿祥义 张跃平编著）

程序源代码

建议使用文档结构图浏览使用

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摘 要

JSP 是一种动态网页技术标准，利用这一技术可以建立安全、跨平台的先进动态网站。本书是一本实用教程，配备了大量的例题，叙述详细，通俗易懂，便于自学，特别注重结合实例讲解一些难点和关键技术。全书共分 10 章，内容包括 JSP 简介、JSP 语法、内置对象、JSP 与 Javabean、文件操作、数据库操作、JavaServlet、MVC 设计模式、JSP 中使用 XML 等重要内容。本书所有知识都结合具体实例进行介绍，力求详略得当，突出 JSP 在开发 Web 动态网站方面的强大功能，使读者快速掌握和运用 JSP 的编程技巧。本书不仅可以作为大学计算机及相关专业的选修课教材，也适合自学者及网站开发人员参考使用。

前 言

本书是《JSP 实用教程》的第二版，继续保留原教材的特点——注重教材的可读性和实用性，许多例题都经过精心的考虑，即能帮助理解知识，同时又具有启发性。在第二版中增加了 XML 和 MVC 模式在 Web 设计中的应用，对全书章节的先后顺序和部分例题的内容做了调整。

第 1 章介绍 JSP 重要性，对 Tomcat 服务器的安装与配置给予了详细介绍。第 2 章讲解 JSP 页面的基本构成、常用的 JSP 标记。第 3 章讲解内置对象，特别强调了这些内置对象在 JSP 应用开发中的重要性，结合实例使读者掌握内置对象的用法。第 4 章是 JSP 技术中很重要的内容，即怎样使用 Javabeen 分离数据的显示和处理，这一章讲解了许多有一定应用价值的例子。第 5 章主要讲解怎样使用 Java 中的输入输出流实现文件的读写操作，在实例上特别强调怎样使用 Javabeen 实现文件的读写操作。第 6 章涉及的内容是数据库，也是 Web 应用开发的非常重要的一部分内容，特别介绍了各种数据库的连接方式。第 7 章讲解 JavaServlet，对 servlet 对象的运行原理给予了细致的讲解，许多例子都是大多数 Web 开发中经常使用的模块。在第 8 章对 Java Servlet 在 MVC 开发模式中的地位给予了重点介绍，并按着 MVC 模式给出了易于理解 MVC 设计模式的例子。第 9 章介绍了 XML 语言以及在 JSP 中怎样有效地使用 XML 文件。第 10 章是一个完整的网站，完全按着 MVC 模式开发设计，其目的是掌握一般 Web 应用中常用基本模块的开发方法。

作者简介

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希望本教材能对读者学习 JSP 有所帮助，并请读者批评指正（xygeng0629@sina.com）。

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第1章	JSP 简介.....	1
例子 1		1
第2章	JSP 语法.....	2
例子 1		2
<%@ page contentType="text/html; charset=GB2312" %> <!-- jsp 指令标记 -->.....		2
<% date=new Date();		//java 程序片.....
<%= start %>		<!-- Java 表达式 -->.....
例子 2		2
例子 3		3
例子 4		3
例子 5		4
例子 6		4
例子 7		5
例子 8		5
例子 9		6
例子 10		7
例子 11		7
例子 12		8
例子 13		9
第3章	JSP 内置对象.....	11
例子 1		11
例子 2		11
例子 3		12
例子 4		13
例子 5		15
例子 6		16
例子 7		17

例子 8	18
例子 9	18
例子 10	19
例子 11	19
例子 12	20
例子 13	21
例子 14	22
例子 15	23
例子 16	25
例子 17	26
例子 18	28
例子 19	30
第 4 章 JSP 与 JavaBean	32
Circle.java	32
例子 1	32
例子 2	33
例子 3	33
NewCircle.java	33
例子 4	34
Student.java	34
例子 5	35
Goods.java	35
例子 6	36
ListFile.java	37
例子 7	37
三角形 bean	38
Triangle.java	38
四则运算 bean	39

ComputerBean.java.....	39
computer.jsp.....	41
计数器 bean	41
CounterCount.java	41
comeOne.jsp	43
comeTwo.jsp	43
浏览图像 bean	43
Play.java.....	43
play.jsp	44
成绩单 bean	45
ScoreList.java	45
studentScore.jsp	46
日历 bean	47
CalendarBean.java	47
showCalendar.jsp	49
第 5 章 JSP 中的文件操作	50
例子 1	50
FileDir.java	50
fileAndDir.jsp	51
例子 2	51
ReadFile.java	51
selectDir.jsp	53
listfile.jsp	53
例子 3	54
WriterFile.java	54
writefile.jsp	55
例子 4	56
UpFile. java	56
upfile.jsp	59
show. jsp	59
例子 5	59
DownLoadFile.java.....	59
downfile.jsp	60
例子 6	61

ReadByRow. java	61
selectfile.jsp	62
readByRow.jsp.....	63
例子 7	63
Test. java	63
test.jsp	66
第 6 章 JSP 中使用数据库	68
例子 1	68
showByJdbcOdbc.jsp.....	68
例子 2	69
showBySQLDriver. jsp	69
例子 3	70
QueryBean. java	70
inquire.jsp	72
例子 4	73
RandomQueryBean.java	73
random. jsp	75
例子 5	76
ConditionQuery. java	76
condition. jsp	78
例子 6	79
OrderQuery.java.....	79
sort.jsp.....	80
例子 7	81
KeyWordQuery. java	81
keyWord. jsp	83
例子 8	83
AddBean. java	83
add. jsp	85
例子 9	86
ShowRecordByPage. java	86
showByPage. jsp	89
例子 10	90
linkOracle. jsp	90

例子 11	91
linkMySQL.jsp	91
例子 12	92
MySQLBean.java	92
mysql.jsp	94
例子 13	95
inquireExcel.jsp	95
例子 14	96
ApplicationCon.java	96
UseConBean.java.....	97
chaxun.jsp	98
例子 15	99
PreparedQueryBean.java	99
pre.jsp	101
例子 16	101
AddRecordBean.java	101
addRecord.jsp	103
第7章 Java Servlet 基础	105
HelloBeijing.java:	105
web.xml.....	105
例子 1	106
giveRadius.jsp	106
Computer.java.....	106
例子 2	107
showLetter.jsp	107
ShowLetter.java	107
例子 3	108
showPI.jsp	108
ComputerPI.java	108
例子 4	109
method.jsp	109
GetSqaure.java	109
GetSquareOrCubic.java	110

例子 5	112
input.jsp	112
Verify.java	112
ShowMessage.java.....	113
例子 6	114
Boy.java	114
Look.java	115
例子 7	116
getLetter.jsp	116
inputLetter.jsp	116
HandleGuess.java	117
第 8 章 基于 Servlet 的 MVC 模式	119
web.xml	119
<servlet-class>sun.yourservlet.HandleSum</servlet-class>	119
Series.java	119
inputMess.jsp	120
showResult.jsp	121
HandleSum.java	121
计算一元二次方程的根	123
Equation.java	123
input.jsp	124
show.jsp	124
HandleData.java.....	125
简单的计算器	126
ComputerBean.java.....	126
inputNumber.jsp.....	127
showResult.jsp.....	127
HandleComputer.java	128
读取文件	130
FileMessage.java	130
choiceFile.jsp	130
showFile.jsp	131
HandleFile.java	131

查询数据库	132
ShowRecordByPage.java.....	132
choiceDatabase.jsp.....	134
showRecord.jsp.....	134
HandleDatabase.java.....	135
第 9 章 JSP 中使用 XML	140
例子 1	140
Score.xml	140
input.jsp	141
Number.java	141
例子 2	143
trainList.xml.....	143
train.jsp	144
SAXBean.java	145
例子 3	148
type.jsp	148
formula.xml	148
show.css	149
第 10 章 基于会员制的网络广告系统.....	151
head.txt	151
index.jsp	151
web.xml.....	151
Register.java	153
register.jsp.....	154
showRegisterMess.jsp.....	155
HandleRegister.java.....	156
RequestDispatcher dispatcher=.....	158
Login.java	158
login.jsp.....	159
showLoginMess.jsp	159
HandleLogin.java.....	160
UploadFile.java	162

upload.jsp	163
showUploadMess.jsp	163
HandleUpload.java	164
MemberInform.java	168
ShowByPage.java.....	169
choiceLookType.jsp	170
<i>
分页显示全体会员</i>	<i>170</i>
showAllMember.jsp	170
showLookedMember.jsp	171
HandleDatabase.java	172
Password.java	176
modifyPassword.jsp.....	176
showNewPasswor.jsp	177
HandlePassword.java	177
<i>RequestDispatcher dispatcher=.....</i>	<i>178</i>
ModifyMessage.java	179
choiceModifyMess.jsp.....	180
inputModifyMess.jsp	180
GetOldMess.java.....	181
<i>RequestDispatcher dispatcher=.....</i>	<i>183</i>
HandleModifyMess.java.....	183
<i>RequestDispatcher dispatcher=.....</i>	<i>185</i>
HandleExit.java	185

第1章 JSP 简介

例子 1

example1_1.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY BGCOLOR=cyan>
<h3>这是一个简单的 JSP 页面</h3>
    <% int i, sum=0;
        for(i=1;i<=100;i++)
        { sum=sum+i;
        }
    %>
<h5> 1 到 100 的连续和是:
    <%=sum %>
<h5>
</BODY><HTML>
```

第2章 JSP 语法

例子 1

example2_1.jsp

```
<%@ page contentType="text/html;charset=GB2312" %> <!-- jsp 指令标记 -->
<%@ page import="java.util.Date" %> <!-- jsp 指令标记 -->
<%!   Date date;                               // 数据声明
      int start,end,sum;
      public int continueSum(int start,int end) // 方法声明
      {   for(int i=start;i<=end;i++)
          sum=sum+i;
          return sum;
      }
%>
<HTML><BODY bgcolor=cyan> <!--html 标记 -->
<FONT size=4><P>程序片创建 Date 对象:
    <% date=new Date();                               //java 程序片
      out.println("<BR>" +date);
      start=1;
      end=100;
      sum=continueSum(start,end);
    %>
<BR>从
    <%= start %> <!-- Java 表达式 -->
    至
    <%= end %>
    的连续和是
    <%= sum %>
</FONT></BODY></HTML>
```

例子 2

example2_2.jsp:

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY BGCOLOR=cyan><FONT size=3>
    <%! int i=0;
    %>
    <% i++;
    %>
```

```

<P>您是第
    <%= i %>
    个访问本站的客户。
</BODY></HTML>

```

例子 3

example2_3.jsp:

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    <%! double x,y;
        double multi(double x,double y)
        {   return x*y;
        }
        double div(double x,double y)
        {   return x/y;
        }
    %>
    <%   x=127;
        y=18;
        out.println("调用 multi 方法计算"+x+"与"+y+"之积: ");
        double a=multi(x,y);
        out.println(a);
        x=a;
        out.println("<BR>调用 div 方法计算"+x+"除以"+y+"的商: ");
        double b=div(x,y);
        out.println(b);
    %>
</BODY></HTML>

```

例子 4

example2_4.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY>
    <%! int count=0;                //被客户共享的 count
        synchronized void setCount() //synchronized 修饰的方法
        {   count++;
        }
    %>
    <%   setCount();
        out.println("您是第"+count+"个访问本站的客户");
    %>

```

```
</BODY></HTML>
```

例子 5

example2_5.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    <P> 输出英文字母.
    <%  char  start='A',end='M',c;
        int size=2;
    %>
    <BR> 用<%=size %>磅字号输出
    <Font size=<%=size%>>
    <%  for(c=start;c<=end;c++)
        {
    %>        <%= c %>,
    <%  }
    %>
    </Font>
    <%  size=4;
        start=(char) (end+1);
        end='Z' ;
    %>
    <BR> 用<%=size %>磅字号输出
    <Font size=<%=size%>>
    <%  for(c=start;c<=end;c++)
        {
    %>        <%= c %>,
    <%  }
    %>
    </Font></BODY></HTML>
```

例子 6

example2_6.jsp:

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT size=3>
    <%  double a=12.89;
        int x=12,y=10;
    %>
    计算表达式  $a+x*y-100/x+x\%5$  的值:
```

```

    <%= a+x*y-100/x+x%5 %>
<BR>计算表达式  $x > y \&\&a > 0$  的值:
    <%=x>y&&a>0%>
<BR>计算表达式  $\sin(x) + \cos(y)$ :
    <%=Math.sin(x)+Math.cos(y)%>
<BR> 求 8 的平方根:
    <%=Math.sqrt(8)%>
</FONT></BODY></HTML>

```

例子 7

example2_7.jsp:

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY>
    <!-- 以下字体的颜色为蓝色 -->
    <FONT size=3 color=blue>抽取字符串"C:\myfile\jspfile\example.jsp"中的"example.jsp"
</FONT>
    <%-- 下面是成员变量的声明 --%>
    <%! String s="C:\\myfile\\jspfile\\example.jsp";
    %>
    <%-- 下面是 Java 程序片 --%>
    <% int index=s.lastIndexOf("\\");
        String str=s.substring(index+1);
    %>
    <BR><%-- 下面是 Java 表达式 --%>
    <%= str %>
</BODY></HTML>

```

例子 8

first.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY BGCOLOR=cyan>
<FONT Size=3>
<P>使用 html 处理所接受到的信息.
    <input type=text size=10>
</FONT></BODY></HTML>

```

second.jsp

```

<%@ page contentType="application/vnd.ms-powerpoint" %>
<HTML><BODY BGCOLOR=cyan>
<FONT Size=8>
<P>启动 powerpoint 应用程序处理所接受到的信息.
    <input type=text size=10>

```

```
</FONT></BODY></HTML>
```

third.jsp

```
<%@ page contentType="image/x-xbitmap" %>
<%@ page import="java.awt.*" %>
<%@ page import="java.io.*" %>
<%@ page import="java.awt.image.*" %>
<%@ page import="java.awt.geom.*" %>
<%@ page import="com.sun.image.codec.jpeg.*" %>
<%
    int width=260, height=260;
    BufferedImage image = new BufferedImage(width,height,BufferedImage.TYPE_INT_RGB);
    Graphics g = image.getGraphics();
    g.setColor(Color.white);
    g.fillRect(0, 0, width, height);
    Graphics2D g_2d=(Graphics2D)g;
    Ellipse2D ellipse=new Ellipse2D.Double (40,50,100,40);
    g_2d.setColor(Color.blue);
    g_2d.draw(ellipse);
    Polygon polygon=new Polygon();
    polygon.addPoint(12,34);
    polygon.addPoint(51,134);
    polygon.addPoint(102,34);
    g_2d.drawPolygon(polygon);
    g_2d.dispose();
    OutputStream outClient= response.getOutputStream();    //获取指向客户端的输出流
    JPEGImageEncoder encoder=JPEGCodec.createJPEGEncoder(outClient);
    encoder.encode(image);
%>
```

例子 9

example2_9.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<%@ page info="清华大学" %>
<% String s=getServletInfo();
%>
<head> <%= s %></head>
<HTML><BODY bgcolor=cyan><FONT Size=4>
<BR><%=s %>出版社是中国著名出版社
<BR><%=s %>是全国著名的高等学府
</BODY><HTML>
```

例子 10

ok.txt

```
<%@ page contentType="text/html;Charset=GB2312" %>
<A href="firstExample2_10.jsp">欢迎去 firstExample2_10.jsp 页面</A>
<BR>
<A href="secondExample2_10.jsp">欢迎去 secondExample2_10.jsp 页面</A>
```

firstExample2_10.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ include file="myfile/ok.txt" %>
<HTML><BODY bgcolor=cyan>
<P>我是 firstExample.jsp 页面
</BODY></HTML>
```

secondExample2_10.jsp (效果如图 2.9 (b) 所示)

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ include file="myfile/ok.txt" %>
<HTML><BODY bgcolor=yellow>
<P>我是 secondExample.jsp 页面
</BODY></HTML>
```

上述 firstExample2_10.jsp 等价于下面的 JSP 文件 same.jsp:

same.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<A href="firstExample2_10.jsp">欢迎去 firstExample2_10.jsp 页面</A>
<BR>
<A href="secondExample2_10.jsp">欢迎去 secondExample2_10.jsp 页面</A>
<HTML><BODY bgcolor=cyan>
<P>我是 firstExample.jsp 页面
</BODY></HTML>
```

例子 11

example2_11.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=yellow >
<% double a=3,b=4,c=5;
%>
<BR>加载 trangle.jsp 计算三边为<%=a%>,<%=b%>,<%=c%>的三角形面积:
<jsp:include page="myfile/trangle.jsp">
  <jsp:param name="sideA" value="<%=a%>" />
  <jsp:param name="sideB" value="<%=b%>" />
```

```

        <jsp:param name="sideC" value="<%=c%>" />
    </jsp:include>
</BODY></HTML>

```

trangle.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%! public String getArea(double a, double b, double c)
    { if (a+b>c && a+c>b && c+b>a)
        { double p=(a+b+c)/2.0;
          double area=Math.sqrt(p*(p-a)*(p-b)*(p-c)) ;
          return ""+area;
        }
      else
        { return (""+a+"", "+b+", "+c+"不能构成一个三角形, 无法计算面积");
        }
    }
%>
<% String sideA=request.getParameter("sideA");
    String sideB=request.getParameter("sideB");
    String sideC=request.getParameter("sideC");
    double a=Double.parseDouble(sideA);
    double b=Double.parseDouble(sideB);
    double c=Double.parseDouble(sideC);
%>
<Font color=blue size=4>
<P>我是被加载的文件, 负责计算三角形的面积<BR>
    给我传递的三边是:<%=sideA%>, <%=sideB%>, <%=sideC%>
<BR>三角形的面积:<%= getArea(a, b, c)%>
</Font>

```

例子 12

example2_12.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY>
<% double i=Math.random();
    if(i>0.5)
    {
%> <jsp:forward page="frontSide.jsp" >
        <jsp:param name="number" value="<%= i %>" />
    </jsp:forward>

```

```

<% }
    else
    {
%> <jsp:forward page="reverseSide.jsp" >
        <jsp:param name="number" value="<%= i %>" />
    </jsp:forward>
<% }
%>
</BODY></HTML>

```

frontSide.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=3>
    <% String s=request.getParameter("number");
        out.println("<BR>传递过来的值是"+s);
    %>

    <BR><img src=image/a.JPG width=120 height=120 >钱币图像</img>
</FONT></BODY></HTML>

```

reverseSide.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=3>
    <% String s=request.getParameter("number");
        out.println("传递过来的值是"+s);
    %>

    <BR> <img src=image/b.JPG width=120 height=120 >钱币图像</img>
</FONT></BODY></HTML>

```

例子 13

B.java

```

import java.awt.*;
import java.applet.*;
public class B extends Applet
{
    public void init()
    {
        this.setBackground(Color.blue);
        this.setLayout(new FlowLayout());
        this.add(new Button("Button1"));
    }
}

```

```
this.add(new Button("Button2"));  
}  
}
```

example2_13.jsp:

```
<%@ page contentType="text/html; charset=GB2312" %>  
<HTML><BODY>  
  <jsp:plugin type="applet" code="B.class" jreversion="1.2" width="200" height="260">  
    <jsp:fallback>  
      Plugin tag OBJECT or EMBED not supported by browser.  
    </jsp:fallback>  
  </jsp:plugin>  
</BODY></HTML>
```

第3章 JSP 内置对象

例子 1

example3_1.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT size=2>
    <FORM action="computer.jsp" method=post name=form>
        <INPUT type="text" name="sizeA" value=1 size=6>
        <INPUT type="text" name="sizeB" value=1 size=6>
        <INPUT type="text" name="sizeC" value=1 size=6>
        <INPUT TYPE="submit" value="提交" name="submit">
    </FORM>
</FONT>
</BODY></HTML>
```

computer.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=yellow><Font size=3>
    <% String sideA=request.getParameter("sizeA");
        String sideB=request.getParameter("sizeB");
        String sideC=request.getParameter("sizeC");
        try {    double a=Double.parseDouble(sideA);
                double b=Double.parseDouble(sideB);
                double c=Double.parseDouble(sideC);
                double p=(a+b+c)/2,area=0;
                area=Math.sqrt(p*(p-a)*(p-b)*(p-c));
                out.println("<BR>三角形面积"+area);
            }
        catch(NumberFormatException ee)
            {    out.println("<BR>请输入数字字符");
            }
    %>

</FONT></BODY></HTML>
```

例子 2

example3_2.jsp (如图 3.2 所示)

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML>
```

```

<BODY bgcolor=cyan><FONT size=4>
    <FORM action="" method=post name=form>
        <INPUT type="text" name="girl">
        <INPUT TYPE="submit" value="Enter" name="submit">
    </FORM>
    <% String textContent=request.getParameter("girl");
        double number=0,r=0;
        if(textContent==null)
        { textContent="0";
        }
        try { number=Double.parseDouble(textContent);
            if(number>=0)
            { r=Math.sqrt(number);
              out.print(String.valueOf(number)+"的平方根: ");
              out.print("<BR>" +String.valueOf(r));
            }
            else{ out.print("<BR>"+"请输入一个正数");
            }
        }
        catch(NumberFormatException e)
        { out.print("<BR>"+"请输入数字字符");
        }
    %>
</FONT></BODY></HTML>

```

例子 3

example3_3.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    <FORM action="showMessage1.jsp" method=post name=form>
        <INPUT type="text" name="boy">
        <INPUT TYPE="submit" value="提交给 showMessage1.jsp" name="submit">
    </FORM>
    <FORM action="showMessage2.jsp" method=post name=form>
        <INPUT type="text" name="boy">
        <INPUT TYPE="submit" value="提交给 showMessage2.jsp" name="submit">
    </FORM>
</BODY></HTML>

```

showMessage1.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<MHTML><BODY>
<P>获取文本框提交的信息:
    <%   String textContent=request.getParameter("boy");
    %>
<BR>
    <%=textContent%>
<P> 获取按钮的名字:
    <%   String buttonName=request.getParameter("submit");
    %>
<BR>  <%=buttonName%>
</BODY></HTML>
```

showMessage2.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<MHTML><BODY>
<P>获取文本框提交的信息:
    <%   String textContent=request.getParameter("boy");
        byte  b[]=textContent.getBytes("ISO-8859-1");
        textContent=new String(b);
    %>
<BR>  <%=textContent%>
<P> 获取按钮的名字:
    <%   String buttonName=request.getParameter("submit");
        byte  c[]=buttonName.getBytes("ISO-8859-1");
        buttonName=new String(c);
    %>
<BR>  <%=buttonName%>
</BODY></HTML>
```

例子 4

example3_4.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="java.util.*" %>
<MHTML><BODY bgcolor=cyan><Font size=2 >
    <% String protocol=request.getProtocol();    //协议
        String path=request.getServletPath();    //请求的页面
```

```

        String method=request.getMethod();        //提交信息的方式
        String userAgentHeader=request.getHeader("User-Agent");//User-Agent 头的值
        String acceptHeader=request.getHeader("accept");//accept 头的值
        String hostHeader=request.getHeader("Host");//Host 头的值
        String
acceptEncodingHeader=request.getHeader("accept-encoding");//accept-encoding 头的值

        String clientIP=request.getRemoteAddr();//客户的 IP 地址
        String serverName=request.getServerName();//服务器的名称
        int serverPort=request.getServerPort(); // 服务器的端口号
    %>
<BR>客户使用的协议是:<%=protocol %>
<BR>客户请求的页面: <%=path %>
<BR>客户提交信息的方式:<%=method %>
<BR>头文件中 User-Agent 头的值:<%=userAgentHeader %>
<BR>accept 头的值:<%=acceptHeader %>
<BR>Host 头的值: <%=hostHeader %>
<BR>accept-encoding 头的值:<%=acceptEncodingHeader %>
<BR>客户的 IP 地址:<%=clientIP %>
<BR>服务器的端口号:<%=serverPort %>
<BR>获取客户端提交的所有参数的名字:
    <% Enumeration enumOne=request.getParameterNames();
        while(enumOne.hasMoreElements())
            {String s=(String)enumOne.nextElement();
                out.println(s);
            }
    %>
<BR>获取头名字的一个枚举:
    <% Enumeration enum_headed=request.getHeaderNames();
        while(enum_headed.hasMoreElements())
            {String s=(String)enum_headed.nextElement();
                out.println(s);
            }
    %>
<BR>获取头文件中指定头名字 cookie 的全部值的一个枚举:
    <% Enumeration enum_headedValues=request.getHeaders("cookie");
        while(enum_headedValues.hasMoreElements())
            { String s=(String)enum_headedValues.nextElement();
                out.println(s);
            }
    %>

```

```
%>
</Font></BODY></HTML>
```

例子 5

example3_5.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=2>

<FORM action="receive.jsp" method=post name=form>

    <BR>输入您的姓名:<INPUT type="text" name="name" value="张三"></BR>
    <BR>选择性别:<INPUT type="radio" name="R" value="男" checked="default">男
        <INPUT type="radio" name="R" value="女">女

    </BR>
    <BR>选择您喜欢的球队:
        <input type="checkbox" name="item" value="国际米兰队" >国际米兰队
        <input type="checkbox" name="item" value="AC 米兰队" >AC 米兰队
        <input type="checkbox" name="item" value="罗马队" >罗马队
        <input type="checkbox" name="item" value="慕尼黑队" >慕尼黑队

    </BR>
    <INPUT TYPE="hidden" value="我是球迷,但不会踢球" name="secret">
    <INPUT TYPE="submit" value="提交" name="submit">
    <INPUT TYPE="reset" value="重置" >

</FORM>
</FONT></BODY></HTML>
```

receive.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=2>

<% String yourName=request.getParameter("name"); //获取 text 提交的值
String yourSex=request.getParameter("R"); //获取 radio 提交的值
String secretMess=request.getParameter("secret"); //获取 hidden 提交的值
String itemName[]=request.getParameterValues("item"); //获取 checkbox 提交的值
out.println("<P> 您的姓名:"+yourName+"</P>");
out.println("<P> 您的性别:"+yourSex+"</P>");
out.println("<P> 您喜欢的球队:");
if(itemName==null)
{ out.print("一个都不喜欢");
}
else
{ for(int k=0;k<itemName.length;k++)
{ out.println(" "+itemName[k]);
}
}
```

```

    }
    out.println("<P> 你提交的隐藏信息:"+secretMess);
%>
</FONT></BODY></HTML>

```

例子 6

select.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><Center><BODY bgcolor=cyan><Font size=2 >
    <FORM action="sum.jsp" method=post name=form>
    选择计算和的方式:<BR>
        <Select name="sum" size=2>
            <Option Selected value="1">计算 1 到 n 的连续和
            <Option value="2">计算 1 到 n 的平方和
            <Option value="3">计算 1 到 n 的立方和
        </Select>
    <BR>选择 n 的值:<BR>
        <Select name="n" >
            <Option value="20">n=20
            <Option value="40">n=40
            <Option value="50">n=50
            <Option value="100">n=100
        </Select> <BR>
        <INPUT TYPE="submit" value="提交你的选择" name="submit">
    </FORM>
</FONT></BODY></Center></HTML>

```

sum.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><Center><BODY bgcolor=cyan><Font size=2 >
    <% long sum=0;
    String s1=request.getParameter("sum");
    String s2=request.getParameter("n");
    if(s1.equals("1"))
        {int n=Integer.parseInt(s2);
        for(int i=1;i<=n;i++)
            {sum=sum+i;
            }
        }
    else if(s1.equals("2"))
        {int n=Integer.parseInt(s2);

```

```

        for(int i=1;i<=n;i++)
            {sum=sum+i*i;
            }
    }
    else if(s1.equals("3"))
    {int n=Integer.parseInt(s2);
    for(int i=1;i<=n;i++)
        {sum=sum+i*i*i;
        }
    }
}

%>
<P>您的求和结果:<%=sum%>
</FONT></BODY></Center></HTML>

```

例子 7

example3_7.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=2>
    <FORM action="receive.jsp" method=post name=form>
        <Table border=1>
            <tr>
                <td>输入您的姓名:</td>
                <td><INPUT type="text" name="name" value="张三"></td>
            </tr>
            <td>选择性别:</td>
            <td><INPUT type="radio" name="R" value="男" checked="default">男
                <INPUT type="radio" name="R" value="女">女
            </td>
        </tr>
        <tr>
            <td>选择您喜欢的球队:</td>
            <td><input type="checkbox" name="item" value="国际米兰队">国际米兰队
                <input type="checkbox" name="item" value="AC 米兰队">AC 米兰队
                <input type="checkbox" name="item" value="罗马队">罗马队
                <input type="checkbox" name="item" value="慕尼黑队">慕尼黑队
            </td>
        </tr>
        <tr>
            <td><INPUT TYPE="reset" value="重置" ></td>

```

```

        <td><INPUT TYPE="submit" value="提交" name="submit"></td>
    </tr>
    <INPUT TYPE="hidden" value="我是球迷,但不会踢球" name="secret">
</Table>
</FORM>
</FONT></BODY></HTML>

```

例子 8

example3_8.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=3>
    <FORM action="show.jsp" method=post name=form>
    <br>选择一副图像:    <Select name="image" >
        <Option value="people.jpg">人物
        <Option value="animal.jpg">动物
    </Select>
    <br>选择视频或音乐:
        <Select name="video" >
            <Option value="happy.wav">祝你快乐
            <Option value="moon.wmv">弯弯的月亮
            <Option value="clock.avi">表
        </Select>
    <br> <INPUT TYPE="submit" value="提交你的选择" name="submit">
</FORM>
</FONT></BODY></HTML>

```

show.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=3>
    <% String s1=request.getParameter("image");
        String s2=request.getParameter("video");
    %>
    图像</img>
    <embed src="avi/<%=s2 %>" width=300 height=180 >视频</embed>
</FONT></BODY></HTML>

```

例子 9

example3_9.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=1 >

```

```

<P>我正在学习 response 对象的
<BR>setContentType 方法
<P>将当前页面保存为 word 文档吗?
<FORM action="" method="get" name=form>
    <INPUT TYPE="submit" value="yes" name="submit">
</FORM>
<% String str=request.getParameter("submit");
    if(str==null) {
        str="";
    }
    if(str.equals("yes")) {
        response.setContentType("application/msword;charset=GB2312");
    }
%>
</FONT></BODY></HTML>

```

例子 10

example3_10.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="java.util.*" %>
<HTML><BODY bgcolor=cyan><Font size=5 >
<P>现在的时间是: <BR>
<% out.println(""+new Date());
    response.setHeader("Refresh","5");
%>
</FONT></BODY></HTML>

```

例子 11

example3_11.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY>
<P>填写姓名: <BR>
    <FORM action="form.jsp" method="get" name=form>
        <INPUT TYPE="text" name="boy">
        <INPUT TYPE="submit" value="Enter">
    </FORM>
</BODY></HTML>

```

form.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY>
    <% String str=request.getParameter("boy");
        if(str.length()==0)
        { response.sendRedirect("example3_11.jsp");
        }
        else
        { out.print("欢迎您来到本网页！");
          out.print(str);
        }
    %>
</BODY></HTML>

```

例子 12

example3_12.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=1>
<P>点击下面的超链接:
<BR> <A HREF="bird1.jsp"> bird1:欢迎你吗?
<BR> <A HREF="bird2.jsp"> bird2:欢迎你吗?
<BR> <A HREF="bird3.jsp"> bird3:欢迎你吗?
</FONT></BODY></HTML>

```

bird1.jsp

```

<HTML><BODY>
    <% response.setStatus(408);
        out.print("不显示了");
    %>
</BODY></HTML>

```

bird2.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY>
    <% response.setStatus(200);
        out.println("ok");
    %>
</BODY></HTML>

```

bird3.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY>
    <% response.setStatus(500);

```

```
%>
</BODY></HTML>
```

例子 13

first.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    我是 first.jsp 页面, 输入你的姓名连接到 second.jsp
    <% String id=session.getId();
        out.println("您的 session 对象的 ID 是: <br>" + id);
    %>

    <FORM action="tom/second.jsp" method=post name=form>
        <INPUT type="text" name="boy">
        <INPUT TYPE="submit" value="送出" name=submit>
    </FORM>
</BODY></HTML>
```

second.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    我是 second.jsp 页面
    <% String id=session.getId();
        out.println("您的 session 对象的 ID 是: <br>" + id);
    %>

    <BR> 点击超链接, 连接到 third.jsp 的页面。
    <A HREF="/ch3/jerry/third.jsp"> 欢迎去 third.jsp 页面! </A>
</BODY></HTML>
```

third.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    我是 third.jsp 页面
    <% String id=session.getId();
        out.println("您的 session 对象的 ID 是: <br>" + id);
    %>

    <BR> 点击超链接, 连接到 first.jsp 的页面。
    <A HREF="/ch3/first.jsp"> 欢迎去 first.jsp! </A>
```

```
</BODY></HTML>
```

例子 14

main.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
  <P>欢迎来到本页面，请输入您的姓名
  <FORM action="" method=post name=form>
    <INPUT type="text" name="name">
    <INPUT TYPE="submit" value="送出" name=submit>
  </FORM>
  <% String name=request.getParameter("name");
    if(name==null)
    { name="";
    }
    else
    { session.setAttribute("customerName",name);
    }
  %>
  <% if(name.length()>0)
  {
  %>   <P> 点击超链接，连接到 book.jsp 的页面, 去选择书籍。
      <A HREF="book.jsp"> 欢迎去选择书籍! </A>
  <% }
  %>
  <FONT></BODY></HTML>
```

book.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
  <P>点击超链接，连接到 main.jsp 的页面, 去修改姓名。
      <A HREF="main.jsp"> 欢迎去 main.jsp! </A>
  <P>请选择您要购买的书籍:
  <FORM action="" method=post name=form>
    <input type="checkbox" name="choice" value="Java 教程" >Java 教程
    <input type="checkbox" name="choice" value="数据库原理" >数据库原理
    <input type="checkbox" name="choice" value="操作系统" >操作系统
    <input type="checkbox" name="choice" value="C 语言教程" >C 语言教程
  </BR>
```

```

        <INPUT TYPE="submit" value="提交" name="submit">
    </FORM>
    <%
        String bookName[]=request.getParameterValues("choice");
        if(bookName!=null)
        { for(int k=0;k<bookName.length;k++)
            { session.setAttribute(bookName[k], bookName[k]);
              }
          }
    %>
    去结帐: <A HREF="count.jsp"> 欢迎去 count.jsp! </A>
<FONT Size=2></BODY></HTML>

```

count.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="java.util.*" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
    这里是结帐处, 您的姓名以及选择的书籍:
    <%
        String personName=(String)session.getAttribute("customerName");
        out.println("<br>您的姓名: "+personName);
        Enumeration enumGoods=session.getAttributeNames();
        out.println("<br>购物车中的商品: <br>");
        while(enumGoods.hasMoreElements())
            { String key=(String)enumGoods.nextElement();
              String goods=(String)session.getAttribute(key);
              if(!(goods.equals(personName)))
                  out.println(goods+"<br>");
            }
    %>
    连接到 book.jsp 的页面, 继续购买书籍: <A HREF="book.jsp">欢迎去 book.jsp! </A>
    <BR>连接到 main.jsp 的页面, 去修改姓名: <A HREF="main.jsp">欢迎去 main.jsp! </A>
</FONT></BODY></HTML>

```

例子 15

getNumber.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
    <P>随机分给了你一个 1 到 100 之间的数, 请猜!
    <%
        int number=(int)(Math.random()*100)+1;
    %>

```

```

        session.setAttribute("count", new Integer(0));
        session.setAttribute("save", new Integer(number));
    %>
<BR>
<P>输入你的所猜的数:
    <FORM action="result.jsp" method="post" name=form>
        <INPUT type="text" name="boy" >
        <INPUT TYPE="submit" value="送出" name="submit">
    </FORM>
</FONT></BODY></HTML>

```

result.jsp

```

<% String str=request.getParameter("boy");
    if(str.length()==0)
    { response.sendRedirect("getNumber.jsp");
    }
    else
    { int guessNumber=Integer.parseInt(str);
      Integer integer=(Integer)session.getAttribute("save");
      int realnumber=integer.intValue();
      if(guessNumber==realnumber)
      { int n=((Integer)session.getAttribute("count")).intValue();
        n=n+1;
        session.setAttribute("count", new Integer(n));
        response.sendRedirect("success.jsp");
      }
      else if(guessNumber>realnumber)
      { int n=((Integer)session.getAttribute("count")).intValue();
        n=n+1;
        session.setAttribute("count", new Integer(n));
        response.sendRedirect("large.jsp");
      }
      else if(guessNumber<realnumber)
      { int n=((Integer)session.getAttribute("count")).intValue();
        n=n+1;
        session.setAttribute("count", new Integer(n));
        response.sendRedirect("small.jsp");
      }
    }
%>

```

large.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
<P>所猜的数比实际的数大，请再猜：
    <FORM action="result.jsp" method="get" name=form >
        <INPUT type="text" name="boy" >
        <INPUT TYPE="submit" value="送出" name="submit">
    </FORM>
</FONT></BODY></HTML>
```

small.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
<P>所猜的数比实际的数小，请再猜：
    <FORM action="result.jsp" method="post" name=form>
        <INPUT type="text" name="boy" >
        <INPUT TYPE="submit" value="送出" name="submit">
    </FORM>
</FONT></BODY></HTML>
```

success.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><FONT Size=2>
<%
    int count=((Integer)session.getAttribute("count")).intValue();
    int num=((Integer)session.getAttribute("save")).intValue();
%>
<P>恭喜你，猜对了
<P>您共猜了<%=count%>次
<P>这个数字就是<%=num%>
</FONT></BODY></HTML>
```

例子 16

example3_16.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="java.util.*" %>
<HTML><BODY bgcolor=yellow><FONT Size=3>
<%
    session.setMaxInactiveInterval(15);
    boolean boo=session.isNew();
    out.println("<br>如果你第一次访问当前 web 服务目录，您的会话是新的");
    out.println("<br>如果你不是首次访问当前 web 服务目录，您的会话不是新的");
%>
```

```

out.println("<br>会话是新的吗? : "+boo);
out.println("<br>欢迎来到本页面, 您的 session 允许的最长发呆时间为"+
            session.getMaxInactiveInterval()+"秒");
out.println("<br>您的 session 的创建时间是"+new Date(session.getCreationTime()));
out.println("<br>您的 session 的 Id 是"+session.getId());
Long lastTime=(Long) session.getAttribute("lastTime");
if(lastTime==null)
{
    long n=session.getLastAccessedTime();
    session.setAttribute("lastTime",new Long(n));
}
else
{
    long m=session.getLastAccessedTime();
    long n=((Long)session.getAttribute("lastTime")).longValue();
    out.println("<br>您的发呆时间大约是"+(m-n)+"毫秒, 大约"+(m-n)/1000+"秒");
    session.setAttribute("lastTime",new Long(m));
}
%>
<FONT></BODY></HTML>

```

例子 17

comeOne.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ taglib prefix="person" tagdir="/WEB-INF/tags" %>
<HTML><BODY bgcolor=yellow>
<jsp:include page="count.jsp" />
<P>Welcome 欢迎您访问本站, 这是本网站的 comeTwo.jsp 页面
<BR>您是第
    <%= (String)session.getAttribute("count")%>
    个访问本网站的客户。
    <A href="comeTwo.jsp">欢迎去 comeTwo.jsp 参观</A>
</BODY></HTML>

```

comeTwo.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ taglib prefix="person" tagdir="/WEB-INF/tags" %>
<HTML><BODY bgcolor=cyan>
<jsp:include page="count.jsp" />

```

```

<P>欢迎您访问本站, 这是本网站的 comeOne. jsp 页面
<BR>您是第
    <%= (String)session.getAttribute("count")%>
个访问本网站的客户。
    <A href="comeOne. jsp">欢迎去 comeOne. jsp 参观</A>
</BODY></HTML>

```

count.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="java.io.*" %>
<%!    int number=0;
        File file=new File("countNumber.txt") ;
        synchronized void countPeople()//计算访问次数的同步方法
        { if(!file.exists())
            {    number++;
                try {    file.createNewFile();
                        FileOutputStream out=new FileOutputStream(file);
                        DataOutputStream dataOut=new DataOutputStream(out);
                        dataOut.writeInt(number);
                        out.close();
                        dataOut.close();
                }
                catch(IOException ee){}
            }
        else
        {    try{    FileInputStream in=new FileInputStream(file);
                    DataInputStream dataIn=new DataInputStream(in);
                    number=dataIn.readInt();
                    number++;
                    in.close();
                    dataIn.close();
                    FileOutputStream out=new FileOutputStream(file);
                    DataOutputStream dataOut=new DataOutputStream(out);
                    dataOut.writeInt(number);
                    out.close();
                    dataOut.close();
                }
                catch(IOException ee){}
            }
        }
    }

```

```

    }
%>
<%
    String str=(String)session.getAttribute("count");
    if(session.isNew())
    { out.println("请首先访问其它网页");
    }
    else
    { if(str==null)
      { countPeople();
        String personCount=String.valueOf(number);
        session.setAttribute("count",personCount);
      }
    }
%>

```

例子 18

submit.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY>
<FORM action="messagePane.jsp" method="post" name="form">
    输入您的名字: <BR><INPUT type="text" name="peopleName">
    <BR>输入您的留言标题: <BR><INPUT type="text" name="Title">
    <BR>输入您的留言: <BR> <TEXTAREA name="messages" ROWs="10" COLS=36
        WRAP="physical"></TEXTAREA>
    <BR><INPUT type="submit" value="提交信息" name="submit">
</FORM>
<FORM action="showMessage.jsp" method="post" name="form1">
    <INPUT type="submit" value="查看留言板" name="look">
</FORM>
</BODY></HTML>

```

messagePane.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="java.util.*" %>
<HTML><BODY>
    <%! Vector v=new Vector();
        int i=0; ServletContext application;
        synchronized void sendMessage(String s)
        { application=getServletContext();
          i++;

```

```

        v.add("No. "+i+", "+s);
        application.setAttribute("Mess", v);
    }
%>
<% String name=request.getParameter("peopleName");
String title=request.getParameter("Title");
String messages=request.getParameter("messages");
if(name==null)
    {name="guest"+(int) (Math.random()*10000);
    }
if(title==null)
    {title="无标题";
    }
if(messages==null)
    {messages="无信息";
    }
String s="姓名:"+name+"#"+"标题:"+title+"#"+"内容:"+<BR>"+messages;
sendMessage(s);
out.print("您的信息已经提交!");
%>
<A HREF="submit.jsp" >返回
</BODY></HTML>

```

showMessage.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="java.util.*" %>
<HTML><BODY>

    <% Vector v=(Vector)application.getAttribute("Mess");
    for(int i=0;i<v.size();i++)
    { String message=(String)v.elementAt(i);
    StringTokenizer fenxi=new StringTokenizer(message, "#");
    while(fenxi.hasMoreTokens())
    { String str=fenxi.nextToken();
    byte a[]=str.getBytes("ISO-8859-1");
    str=new String(a);
    out.print("<BR>"+str);
    }
    }

    %>
</BODY></HTML>

```

例子 19

example3_19.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="java.util.*"%>
<%! public String getDayWeek(int n)
    { String week[]={"星期日","星期一","星期二","星期三","星期四","星期五","星期六"};
      return week[n];
    }
%>
<HTML><BODY bgcolor=cyan><Font size=1>
<% Calendar calendar=Calendar.getInstance(); //创建一个日历对象。
    calendar.setTime(new Date()); //用当前时间初始化日历时间。
String 年=String.valueOf(calendar.get(Calendar.YEAR)),
    月=String.valueOf(calendar.get(Calendar.MONTH)+1),
    日=String.valueOf(calendar.get(Calendar.DAY_OF_MONTH)),
    星期=getDayWeek(calendar.get(Calendar.DAY_OF_WEEK)-1);
int hour=calendar.get(Calendar.HOUR_OF_DAY),
    minute=calendar.get(Calendar.MINUTE),
    second=calendar.get(Calendar.SECOND);
out.println("<table border=1>");
out.println("<tr>");
out.println("<td>现在的时间:</td>");
out.println("<td>"+年+"年</td>");
out.println("<td>"+月+"月</td>");
out.println("<td>"+日+"日</td>");
out.println("<td>"+星期+"</td>");
out.println("<td>"+hour+"点</td>");
out.println("<td>"+minute+"分</td>");
out.println("<td>"+second+"秒</td>");
out.println("</tr>");
out.println("</table>");
out.print("<p>");
if(日.equals("26"))
    {out.print("<h1 >今天是病毒容易发作的日子! </h1>");
    }
else
    { out.print("<h1>注意防范病毒! </h1>");
    }
```

%>

</BODY></HTML>

第4章 JSP 与 JavaBean

Circle.java

```
package tom.jiafei
import java.io.*;
public class Circle
{ int radius;
  public Circle()
  { radius=1;
  }
  public int getRadius()
  { return radius;
  }
  public void setRadius(int newRadius)
  {radius=newRadius;
  }
  public double circleArea()
  {return Math.PI*radius*radius;
  }
  public double circlLength()
  {return 2.0*Math.PI*radius;
  }
}
```

例子 1

useBean.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="tom.jiafei.Circle"%>
<HTML><BODY bgcolor=cyan><Font size=3>
  <jsp:useBean id="circle" class="tom.jiafei.Circle" scope="page" />
  <!--通过上述 JSP 标记，客户获得了一个作用域是 page，名字是 circle 的 bean -->
  <% circle.setRadius(888);
  %>
  <P>圆的半径是: <%=circle.getRadius()%>
```

```
<P>圆的周长是: <%=circle.circLength()%>
<P>圆的面积是: <%=circle.circleArea()%>
</BODY></HTML>
```

例子 2

bean1.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="tom.jiafei.Circle"%>
<HTML><BODY bgcolor=cyan><Font size=3>
    <jsp:useBean id="girl" class="tom.jiafei.Circle" scope="session" />
    <P>圆的半径是: <%=girl.getRadius()%>
    <A href="bean2.jsp"><BR>bean2.jsp </A>
</BODY></HTML>
```

bean2.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="tom.jiafei.Circle"%>
<HTML><BODY bgcolor=cyan><Font size=3>
    <jsp:useBean id="girl" class="tom.jiafei.Circle" scope="session" />
    <P>圆的半径是: <%=girl.getRadius()%>
    <%=girl.setRadius(400);%>
    <P>修改后的圆的半径是: <%=girl.getRadius()%>
    <A href="bean1.jsp"><BR>bean1.jsp </A>
</BODY></HTML>
```

例子 3

appbean.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="tom.jiafei.*"%>
<HTML> <BODY>
    <jsp:useBean id="girl" class="tom.jiafei.Circle" scope="application" >
    </jsp:useBean>
    <P>圆的初始半径是: <%=girl.getRadius()%>
    <%=girl.setRadius(1000);%>
    <P>修改后的圆的半径是: <%=girl.getRadius()%>
</BODY></HTML>
```

NewCircle.java

```
package tom.jiafei;
import java.io.*;
```

```

public class NewCircle
{
    double radius=1,circleArea,circleLength;

    public double getRadius()
    {
        return radius;
    }

    public void setRadius(double newRadius)
    {
        radius=newRadius;
    }

    public double getCircleArea()
    {
        circleArea=Math.PI*radius*radius;
        return circleArea;
    }

    public double getCircleLength()
    {
        circleLength=2.0*Math.PI*radius;
        return circleLength;
    }
}

```

例子 4

beanGetProperty.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="tom.jiafei.NewCircle"%>
<HTML><BODY bgcolor=cyan><Font size=3>
    <jsp:useBean id="apple" class="tom.jiafei.NewCircle" scope="request"/>
    <% apple.setRadius(100);%>
    圆的半径是: <jsp:getProperty name="apple" property="radius"/>
<BR>圆的面积是: <jsp:getProperty name="apple" property="circleArea"/>
<BR>圆的周长是: <jsp:getProperty name="apple" property="circleLength"/>
</BODY></HTML>

```

Student.java

```

public class Student
{
    String name=null;
    long number;
    double height,weight;
    public String getName()
    {
        return name;
    }
    public void setName(String newName)
    {
        name=newName;
    }
}

```

```

    }

    public long getNumber()
    {return number;
    }

    public void setNumber(long newNumber)
    { number=newNumber;
    }

    public double getHeight()
    {return height;
    }

    public void setHeight(double newHeight)
    { height=newHeight;
    }

    public double getWeight()
    {return weight;
    }

    public void setWeight(double newWeight)
    { weight=newWeight;
    }
}

```

例子 5

student.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="tom.jiafei.Student"%>
<HTML><BODY bgcolor=cyan><Font size=3>
    <jsp:useBean id="zhang" class="tom.jiafei.Student" scope="page"/>
    <jsp:setProperty name="zhang" property="name" value="张三"/>
名字是: <jsp:getProperty name="zhang" property="name"/>
    <jsp:setProperty name="zhang" property="number" value="2008001"/>
<BR>学号是: <jsp:getProperty name="zhang" property="number"/>
    <jsp:setProperty name="zhang" property="height" value="<%=1.78%"/>
<BR>身高是: <jsp:getProperty name="zhang" property="height"/> 米
    <jsp:setProperty name="zhang" property="weight" value="67.65"/>
<BR>体重是: <jsp:getProperty name="zhang" property="weight"/> 公斤
</FONT></BODY></HTML>

```

Goods.java

```

package tom.jiafei;

```

```

public class Goods
{
    String name, goodsNumber;
    double price;
    public String getName()
    {
        return name;
    }
    public void setName(String newName)
    {
        name=newName;
    }
    public String getGoodsNumber()
    {
        return goodsNumber;
    }
    public void setGoodsNumber(String s)
    {
        goodsNumber=s;
    }
    public double getPrice()
    {
        return price;
    }
    public void setPrice(double newPrice)
    {
        price=newPrice;
    }
}

```

例子 6

goods.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="tom.jiafei.*"%>
<jsp:useBean id="goods" class="tom.jiafei.Goods" scope="page"/>
<HTML><BODY bgcolor=yellow><Font size=3>
<FORM action="" Method="post" >
    输入商品的名称:<Input type=text name="name">
    <BR>输入商品的代号:<Input type=text name="goodsNumber">
    <BR>输入商品的价格: <Input type=text name="price">
    <Input type=submit value="提交">
</FORM>
<P>提交表单才能设置商品的信息
    <jsp:setProperty name="goods" property="*" />

```

```

<BR>商品的名称: <jsp:getProperty name="goods" property="name"/>
<BR>商品的代号: <jsp:getProperty name="goods" property="goodsNumber"/>
<BR>商品的价格: <jsp:getProperty name="goods" property="price"/>
</FONT></BODY></HTML>

```

ListFile.java

```

package tom.jiafei;
import java.io.*;
class FileName implements FilenameFilter
{
    String str=null;
    FileName (String s)
    {
        str="."+s;
    }
    public boolean accept(File dir,String name)
    {
        return name.endsWith(str);
    }
}
public class ListFile
{
    String extendsName=null;
    StringBuffer allFileName;
    public void setExtendsName(String s)
    {
        extendsName=s;
    }
    public String getExtendsName()
    {
        return extendsName;
    }
    public StringBuffer getFileName()
    {
        File dir=new File("d:/2000");
        FileName help=new FileName(extendsName);
        String file_name[]=dir.list(help);
        for(int i=0;i<file_name.length;i++)
        {
            allFileName.append(file_name[i]+" ");
        }
        return allFileName;
    }
}

```

例子 7

file.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>

```

```

<%@ page import="tom.jiafei.*"%>
<jsp:useBean id="file" class="tom.jiafei.ListFile" scope="page"/>
<HTML><BODY bgcolor=cyan><Font size=2>
<FORM action="" Method="post">
    输入文件的扩展名:<Input type=text name="extendsName">
    <Input type=submit value="提交">
</FORM>
    <jsp:setProperty name="file" property="extendsName" param="extendsName"/>
    <P>扩展名是 <jsp:getProperty name="file" property="extendsName"/> 的文件有:
    <BR><jsp:getProperty name="file" property="allFileName"/>
</BODY></HTML>

```

三角形 bean

Triangle.java

```

package red.star;
public class Triangle
{ double sideA=-1,sideB=-1,sideC=-1, area=-1;
  boolean triangle;
  public void setSideA(double a)
  { sideA=a;
  }
  public double getSideA()
  { return sideA;
  }
  public void setSideB(double b)
  { sideB=b;
  }
  public double getSideB()
  { return sideB;
  }
  public void setSideC(double c)
  { sideC=c;
  }
  public double getSideC()
  { return sideC;
  }
  public double getArea()
  { double p=(sideA+sideB+sideC)/2.0;
    if(triangle)

```

```

        area=Math.sqrt(p*(p-sideA)*(p-sideB)*(p-sideC));
        return area;
    }
    public boolean isTriangle()
    {
        if(sideA<sideB+sideC&&sideB<sideA+sideC&&sideC<sideA+sideB)
            triangle=true;
        else    triangle=false;
        return triangle;
    }
}

```

triangle.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="red.star.Triangle"%>
<jsp:useBean id="tri" class="red.star.Triangle" scope="page"/>
<HTML><BODY bgcolor=yellow><Font size=3>
<FORM action="" Method="post" >
    输入三角形三边:
    边 A:<Input type=text name="sideA" value=0 size=5>
    边 B:<Input type=text name="sideB" value=0 size=5>
    边 C:<Input type=text name="sideC" value=0 size=5>
    <Input type=submit value="提交">
</FORM>
<jsp:setProperty name="tri" property="*/>
    三角形的三边是:
    边 A: <jsp:getProperty name="tri" property="sideA"/>,
    边 B: <jsp:getProperty name="tri" property="sideB"/>,
    边 C: <jsp:getProperty name="tri" property="sideC"/>.
<BR>这三个边能构成一个三角形吗? <jsp:getProperty name="tri" property="triangle"/>
<BR>面积是: <jsp:getProperty name="tri" property="area"/>
</FONT></BODY></HTML>

```

四则运算 bean

ComputerBean.java

```

package red.star;
public class ComputerBean
{
    double numberOne,numberTwo,result;
}

```

```

    String operator="+";
public void setNumberOne(double n)
{   numberOne=n;
}
public double getNumberOne()
{   return numberOne;
}
public void setNumberTwo(double n)
{   numberTwo=n;
}
public double getNumberTwo()
{   return numberTwo;
}
public void setOperator(String s)
{   operator=s.trim();;
}
public String getOperator()
{   return operator;
}
public double getResult()
{   if(operator.equals("+"))
        {   result=numberOne+numberTwo;
        }
        else if(operator.equals("-"))
        {   result=numberOne-numberTwo;
        }
        else if(operator.equals("*"))
        {   result=numberOne*numberTwo;
        }
        else if(operator.equals("/"))
        {   result=numberOne/numberTwo;
        }
        return result;
    }
}

```

computer.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="red.star.*" %>
<HTML><BODY bgcolor=yellow><Font size=2>
<jsp:useBean id="computer" class="red.star.ComputerBean" scope="session"/>
<jsp:setProperty name="computer" property="*/>
<FORM action="" method=post name=form>
  <Input type=text name="numberOne"
    value=<jsp:getProperty name="computer" property="numberOne"/> size=6>
  <Select name="operator">
    <Option value="+">+
    <Option value="-">-
    <Option value="*">*
    <Option value="/">/
  </Select>
  <Input type=text name="numberTwo"
    value=<jsp:getProperty name="computer" property="numberTwo"/> size=6>
  =<jsp:getProperty name="computer" property="result"/>
  <BR> <INPUT TYPE="submit" value="提交你的选择" name="submit">
</FORM>
</BODY></HTML>
```

计数器 bean

CounterCount.java

```
package red.star;
import java.io.*;
public class ComputerCount
{
  int number=0;
  boolean isCome=false;
  File file=new File("count.dat") ;
```

```

private void countPeople()
{
    if(!file.exists())
    {
        number++;
        try {
            file.createNewFile();
            FileOutputStream out=new FileOutputStream(file);
            DataOutputStream dataOut=new DataOutputStream(out);
            dataOut.writeInt(number);
            out.close();
            dataOut.close();
        }
        catch(IOException ee){}
    }
    else
    {
        try{
            FileInputStream in=new FileInputStream(file);
            DataInputStream dataIn=new DataInputStream(in);
            number=dataIn.readInt();
            number++;
            in.close();
            dataIn.close();
            FileOutputStream out=new FileOutputStream(file);
            DataOutputStream dataOut=new DataOutputStream(out);
            dataOut.writeInt(number);
            out.close();
            dataOut.close();
        }
        catch(IOException ee){}
    }
    isCome=true;
}

public int getNumber()
{
    if(isCome==false)
        countPeople();
    return number;
}
}

```

comeOne.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="red.star.*" %>
<jsp:useBean id="count" class="red.star.ComputerCount" scope="session"/>
<HTML><BODY bgcolor=yellow><Font size=3>
<P>Welcome 欢迎您访问本站,这是本网站的 comeOne.jsp 页面
    <BR>您是第
        <jsp:getProperty name="count" property="number"/>
        个访问本网站的客户。
    <A href="comeTwo.jsp">欢迎去 comeTwo.jsp 参观</A>
</BODY></HTML>
```

comeTwo.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="red.star.*" %>
<jsp:useBean id="count" class="red.star.ComputerCount" scope="session"/>
<HTML><BODY bgcolor=cyan><Font size=3>
<P>Welcome 欢迎您访问本站,这是本网站的 comeTwo.jsp 页面
    <BR>您是第
        <jsp:getProperty name="count" property="number"/>
        个访问本网站的客户。
    <A href="comeOne.jsp">欢迎去 comeOne.jsp 参观</A>
</BODY></HTML>
```

浏览图像 bean

Play.java

```
package red.star;
import java.io.*;
class FileName implements FilenameFilter
{ public boolean accept(File dir,String name)
  { boolean boo=false;
```

```

        if(name.endsWith(".jpg") || name.endsWith(".JPG"))
            boo=true;
        return boo;
    }
}

public class Play
{
    int imageNumber=0,max;
    String pictureName[],playImage;

    public Play()
    {
        File dir=new File("D:/apache-tomcat-5.5.20/webapps/ch4/image");
        pictureName=dir.list(new FileName());
        max=pictureName.length;
    }

    public void setImageNumber(int n)
    {
        if(n<0)
            n=max-1;
        if(n==max)
            n=0;
        imageNumber=n;
    }

    public int getImageNumber()
    {
        return imageNumber;
    }

    public String getPlayImage()
    {
        playImage=new String("<img src=image/"+pictureName[imageNumber]+" "+" width=200
                                height=200></img>");

        return playImage;
    }
}

```

play.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="red.star.*" %>
<jsp:useBean id="play" class="red.star.Play" scope="session" />
<jsp:setProperty name="play" property="imageNumber" param="imageNumber"/>
<HTML><BODY bgcolor=cyan><Font size=2>
    单击“上一张”或“下一张”按钮浏览图像

```

```

<Table ><FORM action="" method=post>
  <tr>
    <td><Input type=submit name="ok" value="上一张"></td>
      <Input type="hidden" name="imageNumber" value="<%=play.getImageNumber()-1%>">
    </FORM>
    <FORM action="" method=post>
      <td><Input type=submit name="ok" value="下一张"></td>
        <Input type="hidden" name="imageNumber" value="<%=play.getImageNumber()+1 %>">
      </tr>
    </FORM>
  </Table>
  <jsp:getProperty name="play" property="playImage"/>
</Font></BODY></HTML>

```

成绩单 bean

ScoreList.java

```

package red.star;
public class ScoreList
{ String studentName,courseName="",score="";
  StringBuffer scoreWatch=new StringBuffer();
  public void setScore(String n)
  { score=n;
  }
  public void setStudentName(String s)
  { studentName=s;
  }
  public void setCourseName(String s)
  { courseName=s;
  }
  public String getCourseName()
  { return courseName;
  }
  public StringBuffer getScoreWatch()
  { if(studentName!=null&&studentName.length()>0&&score.length()>0)
    { scoreWatch.append("<tr>");
      scoreWatch.append("<td width=150 Align=Center>");

```

```

        scoreWatch.append(studentName);
        scoreWatch.append("</td>");
        scoreWatch.append("<td width=60 Align=Center>");
        scoreWatch.append(""+score);
        scoreWatch.append("</td>");
        scoreWatch.append("</tr>");
        studentName="";
        score="";
    }
    return scoreWatch;
}
}

```

studentScore.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="red.star.*" %>
<jsp:useBean id="list" class="red.star.ScoreList" scope="session" />
<jsp:setProperty name="list" property="courseName" param="courseName"/>
<jsp:setProperty name="list" property="studentName" param="studentName"/>
<jsp:setProperty name="list" property="score" param="score"/>
<HTML><BODY bgcolor=cyan><Font size=2>
<FORM action="" method=post>
    课程名称:<Input type=text name="courseName"
        value=<jsp:getProperty name="list" property="courseName"/> >
<BR>学生姓名:<Input type=text name="studentName" >
<BR>学生成绩:<Input type=text name="score" >
    <Input type=submit name="ok" value="提交">
</FORM>
<h2><jsp:getProperty name="list" property="courseName"/></h2>
<Table border=2>
<jsp:getProperty name="list" property="scoreWatch"/>
</Table>
</Font></BODY></HTML>

```

日历 bean

CalendarBean.java

```
package red.star;
import java.util.*;
public class CalendarBean
{
    String calendar=null;
    int year=-1,month=-1;
    public void setYear(int year)
    {
        this.year=year;
    }
    public int getYear()
    {
        return year;
    }
    public void setMonth(int month)
    {
        this.month=month;
    }
    public int getMonth()
    {
        return month;
    }
    public String getCalendar()
    {
        StringBuffer buffer=new StringBuffer();
        Calendar rili=Calendar.getInstance();
        rili.set(year,month-1,1);    //将日历翻到 year 年 month 月 1 日, 注意 0 表示一月,
                                   //依次类推, 11 表示 12 月。
        //获取 1 日是星期几(get 方法返回的值是 1 表示星期日, 返回的值是 7 表示星期六):
        int 星期几=rili.get(Calendar.DAY_OF_WEEK)-1;
        int day=0;
        if(month==1||month==3||month==5||month==7||month==8||month==10||month==12)
        {
            day=31;
        }
        if(month==4||month==6||month==9||month==11)
        {
            day=30;
        }
        if(month==2)
        {
            if(((year%4==0)&&(year%100!=0))||(year%400==0))
            {
                day=29;
            }
            else
            {
                day=28;
            }
        }
        buffer.append(year+"年"+month+"月"+day+"日");
        return buffer.toString();
    }
}
```

```

        {   day=29;
        }
    else
        {   day=28;
        }
    }
    String a[]=new String[42];
    for(int i=0;i<星期几;i++)
        { a[i]="**";
        }
    for(int i=星期几,n=1;i<星期几+day;i++)
        { a[i]=String.valueOf(n) ;
          n++;
        }
    for(int i=星期几+day,n=1;i<42;i++)
        { a[i]="**" ;
        }
    //用表格显示数组:
    buffer.append("<table border=1>");
    buffer.append("<tr>" );
    String weekday[]={ "星期日", "星期一", "星期二", "星期三", "星期四", "星期五", "星期六"};
    for(int k=0;k<7;k++)
        { buffer.append("<td>" +weekday[k]+ "</td>");
        }
    buffer.append("</tr>" );
    for(int k=0;k<42;k=k+7)
        { buffer.append("<tr>" );
          for(int j=k;j<Math.min(7+k, 42);j++)
              { buffer.append("<td>" +a[j]+ "</td>");
              }
          buffer.append("</tr>" );
        }
    buffer.append("</table>");
    calendar=new String(buffer);
    return calendar;
}
}

```

showCalendar.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="red.star.CalendarBean" %>
<HTML><BODY bgcolor=cyan><Font size=2>
  <jsp:useBean id="rili" class="red.star.CalendarBean" scope="request"/>
  <jsp:setProperty name="rili" property="*/>
  <FORM action="" method=post name=form>
    输入日历的年份:<INPUT TYPE="text" value="2008" name="year" size=5>
    选择日历的月份:
      <Select name="month">
        <Option value="1">1月 <Option value="2">2月
        <Option value="3">3月 <Option value="4">4月
        <Option value="5">5月 <Option value="6">6月
        <Option value="7">7月 <Option value="8">8月
        <Option value="9">9月 <Option value="10">10月
        <Option value="11">11月 <Option value="12">12月
      </Select>
      <BR><INPUT TYPE="submit" value="提交" name="submit">
    </FORM>
    <font color="blue"><jsp:getProperty name="rili" property="year"/></font>年
    <font color="green"><jsp:getProperty name="rili" property="month"/></font>月的日历:
    <jsp:getProperty name="rili" property="calendar" />
  </Font></BODY></HTML>
```

第5章 JSP 中的文件操作

例子 1

FileDir.java

```
package user.file;
import java.io.*;
public class FileDir
{
    String newWebDirName, oldWebDirName;
    StringBuffer allFiles;
    public FileDir()
    {
        allFiles=new StringBuffer();
    }
    public void setNewWebDirName(String s)
    {
        newWebDirName=s;
        if(newWebDirName!=null)
        {
            File dir=new File("d:\\apache-tomcat-5.5.20\\webApps", newWebDirName);
            dir.mkdir();
        }
    }
    public String getNewWebDirName()
    {
        return newWebDirName;
    }
    public void setOldWebDirName(String s)
    {
        oldWebDirName=s;
    }
    public String getOldWebDirName()
    {
        return oldWebDirName;
    }
    public StringBuffer getAllFiles()
    {
        if(oldWebDirName!=null)
        {
            File dir=new File("d:\\apache-tomcat-5.5.20\\webApps", oldWebDirName);
            File a[]=dir.listFiles();
            for(int k=0;k<a.length;k++)
```

```

        { if(a[k].isDirectory())
            allFiles.append("<BR>子目录: "+a[k].getName());
        }
        for(int k=0;k<a.length;k++)
        { if(a[k].isFile())
            allFiles.append("<BR>文件: "+a[k].getName());
        }
    }
    return allFiles;
}
}

```

fileAndDir.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.FileDir" %>
<HTML><BODY bgcolor=cyan><Font Size=2>
<jsp:useBean id="dir" class="user.file.FileDir" scope="page" />
<jsp:setProperty name="dir" property="newWebDirName" param="newWebDirName" />
<jsp:setProperty name="dir" property="oldWebDirName" param="oldWebDirName" />
<FORM action="" Method="post" >
    输入新的 Web 服务目录的名字:<Input type=text name="newWebDirName" value="Dalian" >
    <BR>输入已有的 Web 服务目录的名字:<Input type=text name="oldWebDirName" value="ch4" >
    <Input type=submit value="提交">
</FORM>
    新创建的 Web 服务目录:<jsp:getProperty name="dir" property="newWebDirName"/>
    <BR>已有的 Web 服务目录 <jsp:getProperty name="dir" property="oldWebDirName"/>
    下的子目录和文件:
    <jsp:getProperty name="dir" property="allFiles"/>
</Font> </BODY></HTML>

```

例子 2

ReadFile.java

```

package user.file;
import java.io.*;

```

```

public class ReadFile
{
    String fileDir="c:/", fileName="";
    String listFile, readContent;

    public void setFileDir(String s)
    {
        fileDir=s;
    }

    public String getFileDir()
    {
        return fileDir;
    }

    public void setFileName(String s)
    {
        fileName=s;
    }

    public String getFileName()
    {
        return fileName;
    }

    public String getListFile()
    {
        File dir=new File(fileDir);
        File file_name[]=dir.listFiles();
        StringBuffer list=new StringBuffer();
        for(int i=0;i<file_name.length;i++)
        {
            if ((file_name[i]!=null)&&(file_name[i].isFile()))
            {
                String temp=file_name[i].toString();
                int n=temp.lastIndexOf("\\");
                temp=temp.substring(n+1);
                list.append(" "+temp);
            }
        }

        listFile=new String(list);
        return listFile;
    }

    public String getReadContent()    //读取文件
    {
        try{
            File file=new File(fileDir, fileName);
            FileReader in=new FileReader(file);
            BufferedReader inTwo=new BufferedReader(in);
            StringBuffer stringbuffer=new StringBuffer();
            String s=null;
            while ((s=inTwo.readLine())!=null)
            {
                byte bb[]=s.getBytes();
                s=new String(bb);
            }
        }
    }
}

```

```

        stringbuffer.append("\n"+s);
    }
    String temp=new String(stringbuffer);
    readContent="<TextArea rows=10 cols=62>" +temp+"</TextArea>";
}
catch(IOException e)
{
    readContent="<TextArea rows=8 cols=62></TextArea>";

}
return readContent;
}
}

```

selectDir.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY bgcolor=cyan><Font size=3>
<P>请选择一个目录:
<FORM action="listfile.jsp" method=post>
    <Select name="fileDir" >
        <Option value="D:/2000"> D:/2000
        <Option value="D:/apache-tomcat-5.5.20/webapps/ch2">Web 服务目录 ch2
        <Option value="D:/apache-tomcat-5.5.20/webapps/ch5">Web 服务目录 ch5
    </Select>
<Input type=submit value="提交">
</FORM>
</FONT></BODY></HTML>

```

listfile.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.ReadFile" %>
<HTML><BODY bgcolor=cyan><Font size=2>
<jsp:useBean id="file" class="user.file.ReadFile" scope="session" />
<jsp:setProperty name="file" property="fileDir" param="fileDir" />
<P>该目录 <jsp:getProperty name="file" property="fileDir"/>
    有如下文件:<BR>

```

```

    <jsp:getProperty name="file" property="listFile" />
<FORM action="" method=post name=form1>
    输入一个文件名字: <input type=text name="fileName">
    <Input type=submit value="提交">
</FORM>
    <jsp:setProperty name="file" property="fileName" param="fileName" />
    文件:<jsp:getProperty name="file" property="fileName"/>
    内容如下: <BR>
    <jsp:getProperty name="file" property="readContent" />
<BR>
    <A href="selectDir.jsp">重新选择目录</A>
</Body></HTML></HTML>

```

例子 3

WriterFile.java

```

package user.file;
import java.io.*;
public class WriterFile
{ String filePath=null,
      fileName=null,
      fileContent=null;

  boolean success;
  public void setFilePath(String s)
  { filePath=s;
    try{ File path=new File(filePath);
        path.mkdir();
    }
    catch(Exception e){}
  }
  public String getFilePath()
  { return filePath;
  }
  public void setFileName(String s)
  { fileName=s;
  }
  public String getFileName()

```

```

    { return fileName;
    }

    public void setFileContent(String s)
    { fileContent=s;
      byte content[]=fileContent.getBytes();
      try{ File file=new File(filePath,fileName);
          FileOutputStream in=new FileOutputStream(file) ;
          in.write(content,0,content.length);
          in.close();
          success=true;
        }
      catch(Exception e)
      { success=false;
      }
    }

    public boolean isSuccess()
    { return success;
    }
  }
}

```

writefile.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<%@ page import="user.file.WriterFile" %>
<jsp:useBean id="ok" class="user.file.WriterFile" scope="page" />
<jsp:setProperty name="ok" property="filePath" param="filePath" />
<jsp:setProperty name="ok" property="fileName" param="fileName" />
<jsp:setProperty name="ok" property="fileContent" param="fileContent" />
<HTML><BODY ><Font size=2>
<FORM action="" method=post>
  请选择一个目录: <Select name="filePath" >
    <Option value="C:/hello88"> C:/hello88
    <Option value="D:/ok88">D:/ok88
    <Option value="F:/myjsp">F:/myjspbook
    <Option value="E:/javabook">E:/javabook
  </Select>
<BR>输入保存文件的名字: <Input type=text name="fileName" >
<BR>输入文件的内容: <BR>

```

```

        <TextArea name="fileContent" Rows="10" Cols="40"></TextArea>
    <BR><Input type="submit" value="提交">
</FORM>
<% if(ok.isSuccess()==true)
    {
%> 你写文件成功,文件所在目录:
        <jsp:getProperty name="ok" property="filePath" />
        <BR>文件名字:
        <jsp:getProperty name="ok" property="fileName"/>
    <%
    }
%>
</FONT></BODY></HTML>

```

例子 4

UpFile. java

```

package user.file;
import java.io.*;
import javax.servlet.http.*;
public class UpFile
{
    HttpServletRequest request;
    HttpSession session;
    String upFileMessage="";
    public void setRequest(HttpServletRequest request)
    {
        this.request=request;
    }
    public void setSession(HttpSession session)
    {
        this.session=session;
    }
    public String getUpFileMessage()
    {
        String fileName=null;
        try{
            String tempFileName=(String)session.getId();//客户的 session 的 id
            File f1=new File("D:/apache-tomcat-5.5.20/webapps/ch5",tempFileName);
            FileOutputStream o=new FileOutputStream(f1);
            InputStream in=request.getInputStream();
            byte b[]=new byte[10000];

```

```

int n;
while( (n=in.read(b))!=-1) //将客户上传的全部信息存入 f1
{
    o.write(b,0,n);
}
o.close();
in.close();
RandomAccessFile random=new RandomAccessFile(f1,"r");
int second=1; //读出 f1 的第 2 行，析取出上传文件的名字：
String secondLine=null;
while(second<=2)
{
    secondLine=random.readLine();
    second++;
}
//获取第 2 行中目录符号'\' 最后出现的位置
int position=secondLine.lastIndexOf('\\');
//客户上传的文件的名字是：
fileName=secondLine.substring(position+1,secondLine.length()-1);
byte cc[]=fileName.getBytes("ISO-8859-1");
fileName=new String(cc);
session.setAttribute("Name",fileName);//供 show.jsp 页面使用
random.seek(0); //再定位到文件 f1 的开头。
//获取第 4 行回车符号的位置：
long forthEndPosition=0;
int forth=1;
while((n=random.readByte())!=-1&&(forth<=4))
{
    if(n=='\n')
    {
        forthEndPosition=random.getFilePointer();
        forth++;
    }
}
//根据客户上传文件的名字，将该文件存入磁盘：
File f2= new File("D:/apache-tomcat-5.5.20/webapps/ch5",fileName);
RandomAccessFile random2=new RandomAccessFile(f2,"rw");
//确定出文件 f1 中包含客户上传的文件的内容的最后位置，即倒数第 6 行。
random.seek(random.length());
long endPosition=random.getFilePointer();
long mark=endPosition;
int j=1;
while((mark>=0)&&(j<=6))

```

```

        {
            mark--;
            random.seek(mark);
            n=random.readByte();
            if(n=='\n')
            {
                endPosition=random.getFilePointer();
                j++;
            }
        }
    }
    //将 random 流指向文件 f1 的第 4 行结束的位置:
    random.seek(forthEndPosition);
    long startPoint=random.getFilePointer();
    //从 f1 读出客户上传的文件存入 f2 (读取第 4 行结束位置至倒数第 6 行之间的内容)
    while(startPoint<endPosition-1)
    {
        n=random.readByte();
        random2.write(n);
        startPoint=random.getFilePointer();
    }
    random2.close();
    random.close();
    f1.delete(); //删除临时文件
    upFileMessage=fileName+" Successfully UpLoad";
    return upFileMessage;
}
catch(Exception exp)
{
    if(fileName!=null)
    {
        upFileMessage=fileName+" Fail to UpLoad";
        return upFileMessage;
    }
    else
    {
        upFileMessage="";
        return upFileMessage;
    }
}
}
}
}

```

upfile.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.UpFile" %>
<jsp:useBean id="upFile" class="user.file.UpFile" scope="session" />
<HTML><BODY> <P>选择要上传的文件: <BR>
    <FORM action="" method="post" ENCTYPE="multipart/form-data">
        <INPUT type="FILE" name="boy" size="45">
        <BR> <INPUT type="submit" name="g" value="提交">
    </FORM>
    <% upFile.setRequest(request);
        upFile.setSession(session);
    %>
    <jsp:getProperty name="upFile" property="upFileMessage"/>
    <P>如果上传的是图像文件, 可单击超链接查看图像:
    <BR><A href="show.jsp">查看图像</A>
</BODY></HTML>
```

show.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<jsp:useBean id="upFile" class="user.file.UpFile" scope="session" />
<HTML><BODY>
    <% String pic=(String)session.getAttribute("Name");
        out.print(pic);
        out.print("</img>");
    %>
</BODY></HTML>
```

例子 5

DownloadFile.java

```
package user.file;
import java.io.*;
import javax.servlet.http.*;
public class DownloadFile
{
    HttpServletResponse response;
```

```

String fileName;
public void setResponse(HttpServletResponse response)
{ this.response=response;
}
public String getFileName()
{ return fileName;
}
public void setFileName(String s)
{ fileName=s;
  File fileLoad=new File("f:/2000",fileName);
  //客户使用下载文件的对话框:
  response.setHeader("Content-disposition","attachment;filename="+fileName);
  try{
    FileInputStream in= new FileInputStream(fileLoad);
    OutputStream out = response.getOutputStream();
    byte[] buffer = new byte[1024];
    int n = -1;
    while ((n=in.read(buffer))!= -1)
      out.write(buffer, 0, n);
    out.close();
    in.close();
  }
  catch(Exception e){
    System.out.println(e);
  }
}
}

```

downfile.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.DownloadFile" %>
<%@ page import="java.io.*" %>
<jsp:useBean id="downFile" class="user.file.DownloadFile" scope="page" />
<HTML><BODY> <P>选择要下载的文件:
<Form action="">
  <Select name="fileName" >

```

```

        <Option value="book.zip">book.zip
        <Option value="A.java">A.java
        <Option value="B.jsp">B.jsp
    </Select>
    <INPUT TYPE="submit" value="提交你的选择" name="submit">
</Form>
    <%   downFile.setResponse(response);
    %>
    <jsp:setProperty  name="downFile" property="fileName" param="fileName"/>
</Body></HTML>

```

例子 6

ReadByRow.java

```

package user.file;
import java.io.*;
public class ReadByRow
{
    FileReader inOne;
    BufferedReader inTwo;
    String fileName;
    StringBuffer readMessage;
    int rows=0;
    public ReadByRow()
    { readMessage=new StringBuffer();
    }
    public void setFileName(String s)
    {   fileName=s;
        readMessage=new StringBuffer();
        rows=0;
        File f=new File("D:/2000",fileName);
        try{   inOne=new FileReader(f);
                inTwo=new BufferedReader(inOne);
            }
        catch(IOException exp){}
    }
    public String getFileName()
    {   return fileName;

```

```

    }
    public void setRows(int n)
    {   rows=n;
    }
    public int getRows()
    {   return rows;
    }
    public StringBuffer getReadMessage()
    {   int i=1;
        try{   while(i<=rows)
                {   String str=inTwo.readLine();
                    if(str==null)
                    {   inOne.close();
                        inTwo.close();
                        readMessage.append("文件读取完毕");
                        break;
                    }
                    else
                    {   readMessage.append("\n"+str);
                    }
                    i++;
                }
            }
        catch(Exception exp) {}
        return readMessage;
    }
}

```

selectfile.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.*" %>
<jsp:useBean id="reader" class="user.file.ReadByRow" scope="session"/>
<HTML><BODY ><Font size=3>
    <FORM action="readByRow.jsp" method=post>
        选择一个文件:
        <Select name="fileName" >
            <Option value="A.java"> A.java

```

```

        <Option value="Exa. java">Exa. java
        <Option value="B. jsp">B. jsp
    </Select>
    <BR>输入每次读取的行数: <Input type=text name="rows" value="0" size=8>
    <BR><Input type=submit value="提交">
</FORM>
</FONT></BODY></HTML>

```

readByRow.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.ReadByRow" %>
<jsp:useBean id="reader" class="user.file.ReadByRow" scope="session"/>
<HTML><BODY ><Font size=3>
    <jsp:setProperty name="reader" property="fileName" param="fileName"/>
    <jsp:setProperty name="reader" property="rows" param="rows"/>
    正在读取的文件的名字: <jsp:getProperty name="reader" property="fileName"/>
    <A href="selectfile.jsp">重新选择文件</A>
    <FORM action="" method=post>
        <Input type=submit value="读取">
    </FORM>
    <TextArea Rows="8" Cols="46">
    <jsp:getProperty name="reader" property="readMessage"/>
    </TextArea>
</FONT></BODY></HTML>

```

例子 7

Test. java

```

package user.file;
import java.io.*;
public class Test
{
    String fileName="", //存放考题文件名字的字符串
    correctAnswer="", //存放正确答案的字符串
    testContent="", //存放试题的字符串
    selection="" ; //客户提交的答案的字符串
    int score=0; //考试者的得分
}

```

```

int giveAnswerCount=0;    //记录考试者提交答案的次数
String name="", number="";    //考试者姓名、学号
public void setFileName(String name)
{
    fileName=name;
    selection="";
    score=0;
    giveAnswerCount=0;
}
public String getFileName()
{
    return fileName;
}
public void setGiveAnswerCount(int number)
{
    giveAnswerCount=number;
}
public int getGiveAnswerCount()
{
    return giveAnswerCount;
}
public void setName(String s)
{
    name=s;
}
public void setNumber(String num)
{
    number=num;
}
public String getCorrectAnswer() //读取试题文件的第一行：标准答案
{
    try {
        File f=new File("D:/2000",fileName);
        FileReader in=new FileReader(f);
        BufferedReader buffer=new BufferedReader(in);
        correctAnswer=(buffer.readLine()).trim();//读取一行,去掉前后空格
        buffer.close();
        in.close();
    }
    catch(Exception e) {}
    if(giveAnswerCount==1)
    {
        return correctAnswer;
    }
    else
        return "你只有一次提交答案的机会,不允许2次提交答案";
}
public String getTestContent() //获取试题的内容

```

```

{ StringBuffer temp=new StringBuffer();
  try { if(fileName.length()>0)
      { File f=new File("D:/2000",fileName);
        FileReader in=new FileReader(f);
        BufferedReader buffer=new BufferedReader(in);
        String str=buffer.readLine();      //该行不显示给用户
        while((str=buffer.readLine())!=null) //读出全部题目
        {   temp.append("\n"+str);
        }
        buffer.close();
        in.close();
      }
    }
    catch(Exception e){}
    return new String(temp);
}

public void setSelection(String s)
{   selection=s.trim();
}

public String getSelection()
{   return selection;
}

public int getScore()
{   score=0;
    if(giveAnswerCount==1)
    { int length1=selection.length();
      int length2=correctAnswer.length();
      int min=(int) (Math.min(length1,length2));
      int i=0;
      while(i<min)
      { if(selection.charAt(i)==correctAnswer.charAt(i))
        score++;
        i++;
      }

      WriteRecorder teacher=new WriteRecorder();
      teacher.write(name,number,score);
    }
    return score;
}

```

```

}
class WriteRecorder
{
    RandomAccessFile random;
    File f=new File("成绩单.txt");
    WriteRecorder()
    { try{ random=new RandomAccessFile(f,"rw");
        }
        catch(Exception ee) {}
    }
    public void write(String name,String number,int score)
    { try{ random.seek(random.length());
        String mess=" Name: "+name+", "+number+", "+score;
        random.writeBytes(mess);
        random.close();
        }
        catch(Exception ee) {System.out.println(ee);}
    }
}

```

test.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="user.file.Test" %>
<HTML><BODY ><Font size=2>
<jsp:useBean id="test" class="user.file.Test" scope="session"/>
<jsp:setProperty name= "test" property="name" param="name"/>
<jsp:setProperty name= "test" property="number" param="number"/>
<jsp:setProperty name= "test" property="fileName" param="fileName"/>
<Form action="" method=post name=form1>
    输入姓名:<Input type=text name="name" size=10>
    输入学号:<Input type=text name="number" size=10>
    请选择试题: <Select name="fileName" value="A.txt">
        <Option value="A.txt"> A.txt
        <Option value="B.txt"> B.txt
        <Option value="C.txt"> C.txt
    </Select>
    <Input type="submit" name="sub" value="确定">

```

```

</FORM>
<TextArea Rows="8" Cols="66">
    <jsp:getProperty name="test" property="testContent" />
</TextArea>
<jsp:setProperty name="test" property="giveAnswerCount" param="giveAnswerCount"/>
<FORM action="" method=post name=form2>
    在文本框输入全部题目的答案，答案之间不允许有空格：
    <BR><Input type=text name="selection" size=70>
        <Input type="hidden" name="giveAnswerCount"
            value="<%= test.getGiveAnswerCount()+1 %>"
        >
    <BR><Input type=submit value="提交">
</FORM>
<jsp:setProperty name="test" property="selection" />
    试题的正确答案: <jsp:getProperty name="test" property="correctAnswer"/>
<BR>您提交的答案: <jsp:getProperty name="test" property="selection"/>
<BR>您的分数 <jsp:getProperty name="test" property="score" />
</Body></HTML>

```

第6章 JSP 中使用数据库

例子 1

showByJdbcOdbc.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="java.sql.*" %>
<HTML><BODY bgcolor=cyan>
<% Connection con;
    Statement sql;
    ResultSet rs;
    try{ Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        }
    catch(ClassNotFoundException e)
        { out.print(e);
        }
    try { con=DriverManager.getConnection("jdbc:odbc:mymoon","sa","sa");
        sql=con.createStatement();
        rs=sql.executeQuery("SELECT * FROM employee WHERE salary>3000");
        out.print("<table border=2>");
        out.print("<tr>");
            out.print("<th width=100>"+ "雇员号");
            out.print("<th width=100>"+ "姓名");
            out.print("<th width=50>"+ "出生日期");
            out.print("<th width=50>"+ "薪水");
        out.print("</TR>");
        while(rs.next())
        { out.print("<tr>");
            out.print("<td >"+rs.getString(1)+"</td>");
            out.print("<td >"+rs.getString(2)+"</td>");
            out.print("<td >"+rs.getDate("birthday")+"</td>");
            out.print("<td >"+rs.getFloat("salary")+"</td>");
            out.print("</tr>") ;
        }
    }
}
```

```

    }
    out.print("</table>");
    con.close();
}
catch(SQLException e)
{ out.print(e);
}
%>
</BODY></HTML>

```

例子 2

showBySQLDriver.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="java.sql.*" %>
<HTML><BODY bgcolor=cyan>
<% Connection con;
Statement sql;
ResultSet rs;
try { Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
}
catch(Exception e)
{ out.print(e);
}
try { String uri= "jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";
String user="sa";
String password="sa";
con=DriverManager.getConnection(uri, user, password);
sql=con.createStatement();
rs=sql.executeQuery("SELECT * FROM employee WHERE salary>3000");
out.print("<table border=2>");
out.print("<tr>");
out.print("<th width=100>"+ "雇员号");
out.print("<th width=100>"+ "姓名");
out.print("<th width=50>"+ "出生日期");
out.print("<th width=50>"+ "薪水");
out.print("</TR>");

```

```

while(rs.next())
{
    out.print("<tr>");
        out.print("<td >" + rs.getString(1) + "</td>");
        out.print("<td >" + rs.getString(2) + "</td>");
        out.print("<td >" + rs.getDate("birthday") + "</td>");
        out.print("<td >" + rs.getFloat("salary") + "</td>");
        out.print("</tr>");
    }
    out.print("</table>");
    con.close();
}
catch(SQLException e)
{
    out.print(e);
}

%>
</BODY></HTML>

```

例子 3

QueryBean. java

```

package database.operation;
import java.sql.*;
public class QueryBean
{
    String databaseName=""; //数据库名
    String tableName=""; //表名
    String user=""; //用户
    String secret=""; //密码
    StringBuffer queryResult; //查询结果
    public QueryBean()
    {
        queryResult=new StringBuffer();
        try{
            Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
    }
    public void setDatabaseName(String s)
    {
        databaseName=s.trim();
        queryResult=new StringBuffer();
    }
}

```

```

}
public String getDatabaseName()
{ return databaseName;
}
public void setTableName(String s)
{ tableName=s.trim();
  queryResult=new StringBuffer();
}
public String getTableName()
{ return tableName;
}
public void setSecret(String s)
{ secret=s.trim();
  queryResult=new StringBuffer();
}
public String getSecret()
{ return secret;
}
public void setUser(String s)
{ user=s.trim();
  queryResult=new StringBuffer();
}
public String getUser()
{ return user;
}
public StringBuffer getQueryResult()
{ Connection con;
  Statement sql;
  ResultSet rs;
  try { queryResult.append("<table border=1>");
      String uri= "jdbc:sqlserver://127.0.0.1:1433;DatabaseName="+databaseName;
      String id=user;
      String password=secret;
      con=DriverManager.getConnection(uri, id, password);
      DatabaseMetaData metadata=con.getMetaData();
      ResultSet rs1=metadata.getColumns(null, null, tableName, null);
      int 字段个数=0;
      queryResult.append("<tr>");
      while(rs1.next())

```

```

        { 字段个数++;
          String columnName=rs1.getString(4);
          queryResult.append("<td>" + columnName + "</td>");
        }
      queryResult.append("</tr>");
      sql=con.createStatement();
      rs=sql.executeQuery("SELECT * FROM "+tableName);
      while(rs.next())
      {
        queryResult.append("<tr>");
        for(int k=1;k<=字段个数;k++)
        {
          queryResult.append("<td>" + rs.getString(k) + "</td>");
        }
        queryResult.append("</tr>");
      }
      queryResult.append("</table>");
      con.close();
    }
  catch(SQLException e)
  {
    queryResult.append("请输入正确的用户名和密码");
  }
  return queryResult;
}
}

```

inquire.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="database.operation.QueryBean" %>
<jsp:useBean id="base" class="database.operation.QueryBean" scope="session"/>
<jsp:setProperty name="base" property="*" />
<HTML><Body bgcolor=cyan><Font size=2>
<FORM action="" Method="post" >
  输入数据库名: <Input type=text name="databaseName" size=8>
  输入表的名字: <Input type=text name="tableName" size=8>
  <br>输入用户名: <Input type=text name="user" size=6>
  输入密码: <Input type="password" name="secret" size=6>
  <Input type=submit name="g" value="提交">
</Form>
  在<jsp:getProperty name="base" property="tableName"/>表查询到记录:

```

```
<BR> <jsp:getProperty name="base" property="queryResult"/>
</Font></Body></HTML>
```

例子 4

RandomQueryBean.java

```
package database.operation;
import java.sql.*;
import java.util.*;
public class RandomQueryBean
{   String databaseName="";           //数据库名称
    String tableName="";              //表的名字
    int count;                        //记录总数
    int randomNumber;                 //随机输出的记录数
    StringBuffer randomQueryResult;   //查询结果
    Connection con;
    Statement sql;
    ResultSet rs;
    public RandomQueryBean()
    {   randomQueryResult=new StringBuffer();
        try{   Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e){ }
    }
    public void setDatabaseName(String s)
    {   databaseName=s.trim();
        randomQueryResult=new StringBuffer();
    }
    public String getDatabaseName()
    {   return databaseName;
    }
    public void setTableName(String s)
    {   tableName=s.trim();
        randomQueryResult=new StringBuffer();
    }
    public String getTableName()
    {   return tableName;
    }
```

```

}
public void setRandomNumber(int n)
{
    randomNumber=n;
    randomQueryResult=new StringBuffer();
}
public int getRandomNumber()
{
    return randomNumber;
}
public int getCount()
{
    try{
        String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName="+databaseName;
        con=DriverManager.getConnection(uri,"sa","sa");
        sql= con.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,
                                   ResultSet.CONCUR_READ_ONLY);
        rs=sql.executeQuery("SELECT * FROM "+tableName);
        rs.last();
        count=rs.getRow();
        con.close();
    }
    catch(SQLException exp)
    {
        count=-1;
    }
    return count;
}
public StringBuffer getRandomQueryResult()
{
    randomQueryResult=new StringBuffer();
    try {
        randomQueryResult.append("<table border=1>");
        String uri= "jdbc:sqlserver://127.0.0.1:1433;DatabaseName="+databaseName;
        con=DriverManager.getConnection(uri,"sa","sa");
        DatabaseMetaData metaData=con.getMetaData();
        ResultSet rs1=metaData.getColumns(null,null,tableName,null);
        int 字段个数=0;
        randomQueryResult.append("<tr>");
        while(rs1.next())
        {
            字段个数++;
            String columnName=rs1.getString(4);
            randomQueryResult.append("<td>"+columnName+"</td>");
        }
        randomQueryResult.append("</tr>");
        sql=con.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,

```

```

        ResultSet.CONCUR_READ_ONLY);
rs=sql.executeQuery("SELECT * FROM "+tableName);
rs.last();
count=rs.getRow();
Vector<Integer> vector=new Vector<Integer>();
for(int i=1;i<=count;i++)
{
    vector.add(new Integer(i));
}
int 抽取数目=Math.min(randomNumber, count);
while(抽取数目>0)
{
    int i=(int) (Math.random()*vector.size());
    int index=(vector.elementAt(i)).intValue();//vector 中随机抽取一个元素
    rs.absolute(index);                      //游标移到这一行
    randomQueryResult.append("<tr>");
    for(int k=1;k<=字段个数;k++)
    {
        randomQueryResult.append("<td>"+rs.getString(k)+"</td>");
    }
    randomQueryResult.append("</tr>");
    抽取数目--;
    vector.removeElementAt(i);    //将抽取过的元素从 vector 中删除
}
randomQueryResult.append("</table>");
con.close();
}
catch(SQLException e){ }
randomNumber=0;
return randomQueryResult;
}
}

```

random.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="database.operation.*" %>
<jsp:useBean id="database" class="database.operation.RandomQueryBean" scope="session"/>
<jsp:setProperty name="database" property="*/>
<HTML><BODY bgcolor=cyan><Font size=2>
<h5>随机查询数据库表中的记录:</h5>
<FORM action="" Method="post">

```

```

    输入数据库的名字: <Input type=text name="databaseName" size=8>
    输入表的名字: <Input type=text name="tableName" size=8>
<BR> 输入要随机查询的记录数:<Input type=text name="randomNumber" size=8>
    <Input type=submit name="g" value="提交">
</Form>
    在<jsp:getProperty name= "database" property="tableName"/>表中共有
        <jsp:getProperty name= "database" property="count"/> 条记录.
<BR> 随机输出<jsp:getProperty name= "database" property="randomNumber"/> 条记录:
<BR> <jsp:getProperty name= "database" property="randomQueryResult"/>
</Font></Body></HTML>

```

例子 5

ConditionQuery. java

```

package database.operation;
import java.sql.*;
public class ConditionQuery
{
    String number ;                //雇员号
    float salaryMax,salaryMin;     //薪水范围
    StringBuffer queryResultByNumber,
                    queryResultBySalary;
    public ConditionQuery()
    {
        queryResultByNumber=new StringBuffer();
        queryResultBySalary=new StringBuffer();
        try{ Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
            }
        catch(Exception e){ }
    }
    public void setNumber(String s)
    {
        number=s.trim();
        queryResultByNumber=new StringBuffer();
        queryResultBySalary=new StringBuffer();
    }
    public String getNumber()
    {
        return number;
    }
    public void setSalaryMax(float n)

```

```

    { salaryMax=n;
      queryResultByNumber=new StringBuffer();
      queryResultBySalary=new StringBuffer();
    }
    public float getSalaryMax()
    { return salaryMax;
    }
    public void setSalaryMin(float n)
    { salaryMin=n;
      queryResultByNumber=new StringBuffer();
      queryResultBySalary=new StringBuffer();
    }
    public float getSalaryMin()
    { return salaryMin;
    }
    public StringBuffer getQueryResultByNumber()
    { String condition="SELECT * FROM employee Where number = '"+number+"'";
      queryResultByNumber=f(condition);
      return queryResultByNumber;
    }
    public StringBuffer getQueryResultBySalary()
    { String condition="SELECT * FROM employee Where salary <= "+salaryMax
                      +" AND "+salary >= "+salaryMin;
      queryResultBySalary=f(condition);
      return queryResultBySalary;
    }
    private StringBuffer f(String condition)
    { StringBuffer str=new StringBuffer();
      Connection con;
      Statement sql;
      ResultSet rs;
      try { String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";
          con=DriverManager.getConnection(uri,"sa","sa");
          sql=con.createStatement();
          rs=sql.executeQuery(condition);
          str.append("<table border=1>");
          str.append("<th width=100>"+number);
          str.append("<th width=100>"+name);
          str.append("<th width=100>"+birthday);

```

```

        str.append("<th width=100>"+ "salary");
while(rs.next())
{
    str.append("<tr>");
        str.append("<td>"+rs.getString(1)+"</td>");
        str.append("<td>"+rs.getString(2)+"</td>");
        str.append("<td>"+rs.getDate(3)+"</td>");
        str.append("<td>"+rs.getFloat(4)+"</td>");
        str.append("</tr>");
    }
    str.append("<table border=1>");
    con.close();
}
catch(SQLException e)
{
    System.out.println(e);
}
return str;
}
}

```

condition.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="database.operation.*" %>
<jsp:useBean id="base" class="database.operation.ConditionQuery" scope="session"/>
<jsp:setProperty name="base" property="number" param="number"/>
<jsp:setProperty name="base" property="salaryMin" param="salaryMin"/>
<jsp:setProperty name="base" property="salaryMax" param="salaryMax"/>
<HTML><BODY><Font size=2>
<FORM action="" Method="post">
    雇员查询(根据雇员号查询)
<BR>输入雇员号:<Input type=text name="number"><Input type=submit name="g" value="提交">
</Form>
<FORM action="" Method="post">
    雇员查询(根据薪水查询)
<BR>薪水在<Input type=text name="salaryMin" size=5>至
        <Input type=text name="salaryMax" size=5>之间

```

```

        <Input type=submit value="提交">
</Form>
    根据雇员号<jsp:getProperty name="base" property="number"/>查询到的记录:
<BR><jsp:getProperty name="base" property="queryResultByNumber"/>
    薪水在<jsp:getProperty name="base" property="salaryMin"/>至
        <jsp:getProperty name="base" property="salaryMax"/>之间的记录:
<BR><jsp:getProperty name="base" property="queryResultBySalary"/>
</Font></BODY></HTML>

```

例子 6

OrderQuery.java

```

package database.operation;
import java.sql.*;
public class OrderQuery
{
    String orderType;          //排序方式
    StringBuffer orderResult; //排序结果
    public OrderQuery()
    {
        orderResult=new StringBuffer();
        try{
            Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e){ }
    }
    public void setOrderType(String s)
    {
        orderType=s.trim();
        try{
            byte bb[]=orderType.getBytes("ISO-8859-1");
            orderType=new String(bb,"gb2312");
        }
        catch(Exception e){ }
    }
    public String getOrderType()
    {
        return orderType;
    }
    public StringBuffer getOrderResult()
    {
        String orderCondition="SELECT * FROM employee ORDER BY "+orderType;
        Connection con;
        Statement sql;
        ResultSet rs;
        try {
            String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";

```

```

        con=DriverManager.getConnection(uri,"sa","sa");
        sql=con.createStatement();
        rs=sql.executeQuery(orderCondition);
        orderResult.append("<table border=1>");
        orderResult.append("<th width=80>"+ "number");
        orderResult.append("<th width=80>"+ "name");
        orderResult.append("<th width=80>"+ "birthday");
        orderResult.append("<th width=80>"+ "salary");
        while(rs.next())
        {
            orderResult.append("<tr>");
            orderResult.append("<td>"+rs.getString(1)+"</td>");
            orderResult.append("<td>"+rs.getString(2)+"</td>");
            orderResult.append("<td>"+rs.getDate(3)+"</td>");
            orderResult.append("<td>"+rs.getFloat(4)+"</td>");
            orderResult.append("</tr>");
        }
        orderResult.append("<table border=1>");
        con.close();
    }
    catch(SQLException e)
    {
        System.out.println(e);
    }
    return orderResult;
}
}

```

sort.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="database.operation.*" %>
<jsp:useBean id="base" class="database.operation.OrderQuery" scope="page"/>
<jsp:setProperty name="base" property="orderType" param="orderType"/>
<HTML><BODY><Font size=2>
<FORM action="" method=post name=form>
    排序记录: <INPUT type="radio" name="orderType" value="name">按姓氏排序
    <INPUT type="radio" name="orderType" value="salary">按薪水排序
    <Input type=submit name="g" value="提交">
</Form>
    根据排序方式:<jsp:getProperty name="base" property="orderType"/>, 排序的记录

```

```
<BR> <jsp:getProperty name="base" property="orderResult"/>
</Font></BODY></HTML>
```

例子 7

KeywordQuery.java

```
package database.operation;
import java.sql.*;
public class KeywordQuery
{
    String ziduan="",          //字段
        keyWord="";          //关键字
    StringBuffer queryResult;
    public KeywordQuery()
    {
        queryResult=new StringBuffer();
        try{ Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e){ }
    }
    public void setKeyWord(String s)
    {
        keyWord=s.trim();
        try{ byte bb[]=keyWord.getBytes("ISO-8859-1");
            keyWord=new String(bb,"gb2312");
        }
        catch(Exception e){ }
    }
    public String getKeyWord()
    {
        return keyWord;
    }
    public void setZiduan(String s)
    {
        ziduan=s.trim();
        try{ byte bb[]=ziduan.getBytes("ISO-8859-1");
            ziduan=new String(bb,"gb2312");
        }
        catch(Exception e){ }
    }
    public String getZiduan()
    {
        return ziduan;
    }
}
```

```

    }
    public StringBuffer getQueryResult()
    {
        String condition="SELECT * FROM employee Where "+ziduan+" Like '%" +keyWord+"%' ";
        StringBuffer str=f(condition);
        return str;
    }
    public StringBuffer f(String condition)
    {
        StringBuffer str=new StringBuffer();
        Connection con;
        Statement sql;
        ResultSet rs;
        try {
            String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";
            con=DriverManager.getConnection(uri,"sa","sa");
            sql=con.createStatement();
            rs=sql.executeQuery(condition);
            str.append("<table border=1>");
            str.append("<th width=80>"+ "雇员号");
            str.append("<th width=80>"+ "姓名");
            str.append("<th width=80>"+ "出生日期");
            str.append("<th width=80>"+ "薪水");
            while(rs.next())
            {
                str.append("<tr>");
                str.append("<td>"+rs.getString(1)+"</td>");
                str.append("<td>"+rs.getString(2)+"</td>");
                str.append("<td>"+rs.getDate(3)+"</td>");
                str.append("<td>"+rs.getString(4)+"</td>");
                str.append("</tr>");
            }
            str.append("<table border=1>");
            con.close();
        }
        catch(SQLException e)
        {
            System.out.println(e);
        }
        return str;
    }
}

```

keyWord.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="database.operation.*" %>
<jsp:useBean id="base" class="database.operation.KeyWordQuery" scope="request" />
<jsp:setProperty name="base" property="zidian" param="zidian"/>
<jsp:setProperty name="base" property="keyWord" param="keyWord"/>
<HTML><BODY><Font size=2>
<FORM action="" method=post name=form>
    选择:<Select name="zidian">
        <Option value="name">姓名
        <Option value="number">雇员号
    </Select>
    含有:<INPUT type="text" name="keyWord">
        <Input type=submit name="g" value="提交">
</Form>
    <jsp:getProperty name="base" property="zidian"/> 含有关键字
    <jsp:getProperty name="base" property="keyWord"/> 的记录:
    <BR><jsp:getProperty name="base" property="queryResult"/>
</Font></BODY></HTML>
```

例子 8

AddBean.java

```
package database.operation;
import java.sql.*;
public class AddBean
{
    String number="", //雇员号
        name="", //姓名
        birthday=""; //出生日期
    float salary; //薪水
    String addMessage="";
    public AddBean()
    {
        try{ Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e){ }
    }
}
```

```

    }

    public void setNumber(String s)
    {   number=s.trim();
    }

    public void setName(String s)
    {   name=s.trim();
        try{ byte bb[]=name.getBytes("ISO-8859-1");
            name=new String(bb,"gb2312");
        }
        catch(Exception e){}
    }

    public void setBirthday(String s)
    {   birthday=s.trim();
    }

    public void setSalary(float n)
    {   salary=n;
    }

    public String getAddMessage()
    {   String insertCondition="INSERT employee VALUES( '"+number+
        "', '"+name+"', '"+birthday+"', '"+salary+"'";

        String str="";
        Connection con;
        Statement sql;
        try { String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";
            con=DriverManager.getConnection(uri,"sa","sa");
            sql=con.createStatement();
            if(number.length()>0)
            { int m=sql.executeUpdate(insertCondition);
                if(m!=0)
                {   str="对表中添加"+m+"条记录成功";
                }
                else
                {   str="添加记录失败";
                }
            }
            else
            {   str="必须要有雇员号";
            }
            con.close();
        }
    }

```

```

    }
    catch(SQLException e)
    {
        str="输入的雇员不允许重复"+e;
    }
    return str;
}
}

```

add. jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="java.sql.*" %>
<%@ page import="database.operation.*" %>
<jsp:useBean id="look" class="database.operation.QueryBean" scope="request" />
<jsp:useBean id="add" class="database.operation.AddBean" scope="request" />
<jsp:setProperty name="look" property="databaseName" value="factory" />
<jsp:setProperty name="look" property="tableName" value="employee" />
<jsp:setProperty name="look" property="user" value="sa" />
<jsp:setProperty name="look" property="secret" value="sa" />
<HTML><BODY><Font size=2>
    雇员号是主键，不可重复，请输入新记录的相应字段的值：
<FORM action="" method=post>
    输入雇员号：<Input type="text" name="number" size=4>
    输姓名：<Input type="text" name="name" size=8>
    <BR>输入出生日期(****-**-**): <Input type="text" name="birthday" size=10>
    输入薪水：<Input type="text" name="salary" size=4>
    <BR><Input type="submit" name="b" value="提交添加">
<jsp:setProperty name="add" property="*" />
<br>你添加记录操作的结果：
<jsp:getProperty name="add" property="addMessage" />
<P>数据库当前的数据记录是：
    <jsp:getProperty name="look" property="queryResult" />
</Font></BODY></HTML>

```

例子 9

ShowRecordByPage. java

```
package database.operation;

import java.sql.*;
import com.sun.rowset.*;

public class ShowRecordByPage
{
    int pageSize=10;                //每页显示的记录数
    int pageAllCount=0;             //分页后的总页数
    int showPage=1 ;                //当前显示页
    StringBuffer presentPageResult; //显示当前页内容
    CachedRowSetImpl rowSet;        //用于存储 ResultSet 对象
    String databaseName="";         //数据库名称
    String tableName="";            //表的名字
    String user="";                 //用户
    String password="";             //密码
    String 字段[]=new String[100] ;
    int 字段个数=0;

    public ShowRecordByPage()
    {
        presentPageResult=new StringBuffer();
    }

    try{ Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver").newInstance();
        }
        catch(Exception e){}
    }

    public void setPageSize(int size)
    {
        pageSize=size;
        字段个数=0;

        String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName="+databaseName;
        try{ Connection con=DriverManager.getConnection(uri,user,password);
            DatabaseMetaData metadata=con.getMetaData();
            ResultSet rs1=metadata.getColumns(null,null,tableName,null);
            int k=0;
            while(rs1.next())
            {
                字段个数++;
                字段[k]=rs1.getString(4); //获取字段的名称
                k++;
            }
        }
    }
}
```

```

    }
    Statement sql=con.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,
                                       ResultSet.CONCUR_READ_ONLY);
    ResultSet rs=sql.executeQuery("SELECT * FROM "+tableName);
    rowSet=new CachedRowSetImpl(); //创建行集对象
    rowSet.populate(rs);
    con.close(); //关闭连接
    rowSet.last();
    int m=rowSet.getRow(); //总行数
    int n=pageSize;
    pageAllCount=((m%n)==0)?(m/n):(m/n+1);
}
catch(Exception exp){}
}

public int getPageSize()
{ return pageSize;
}

public int getPageAllCount()
{ return pageAllCount;
}

public void setShowPage(int n)
{ showPage=n;
}

public int getShowPage()
{ return showPage;
}

public StringBuffer getPresentPageResult()
{ if(showPage>pageAllCount)
    showPage=1;
    if(showPage<=0)
        showPage=pageAllCount;
    presentPageResult=show(showPage);
    return presentPageResult;
}

public StringBuffer show(int page)
{ StringBuffer str=new StringBuffer();
  str.append("<table border=1>");
  str.append("<tr>");
  for(int i=0;i<字段个数;i++)

```

```

        { str.append("<th>" + 字段[i] + "</th>");
        }
    str.append("</tr>");
    try{ rowSet.absolute((page-1)*pageSize+1);
        for(int i=1;i<=pageSize;i++)
        { str.append("<tr>");
            for(int k=1;k<=字段个数;k++)
            { str.append("<td>" + rowSet.getString(k) + "</td>");
            }
            str.append("</tr>");
            rowSet.next();
        }
    }
    catch(SQLException exp){}
    str.append("</table>");
    return str;
}

public void setDatabaseName(String s)
{ databaseName=s.trim();
}

public String getDatabaseName()
{ return databaseName;
}

public void setTableName(String s)
{ tableName=s.trim();
}

public String getTableName()
{ return tableName;
}

public void setPassword(String s)
{ password=s.trim();;
}

public void setUser(String s)
{ user=s.trim();
}

public String getUser()
{ return user;
}
}

```

showByPage.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="java.sql.*" %>
<%@ page import="database.operation.*" %>
<jsp:useBean id="look" class="database.operation.ShowRecordByPage" scope="session" />
<jsp:setProperty name="look" property="databaseName" value="factory" />
<jsp:setProperty name="look" property="tableName" value="employee" />
<jsp:setProperty name="look" property="user" value="sa" />
<jsp:setProperty name="look" property="password" value="sa" />
<jsp:setProperty name="look" property="pageSize" value="2" />
<HTML><BODY>
    数据库
    <jsp:getProperty name="look" property="databaseName"/>中
    <jsp:getProperty name="look" property="tableName"/>表的记录将被分页显示。
<br>共有 <jsp:getProperty name="look" property="pageAllCount"/> 页。
<br>每页最多显示<jsp:getProperty name="look" property="pageSize" />条记录。
    <jsp:setProperty name="look" property="showPage" />
    <jsp:getProperty name="look" property="presentPageResult" />
<BR>当前显示第 <jsp:getProperty name="look" property="showPage" /> 页,
<BR>单击“前一页”或“下一页”按钮查看记录
<Table>
    <tr><td><FORM action="">
        <Input type=hidden name="showPage" value="<%=look.getShowPage()-1 %>" >
        <Input type=submit name="g" value="前一页">
    </FORM>
    </td>
    <td><FORM action="">
        <Input type=hidden name="showPage" value="<%=look.getShowPage()+1 %>" >
        <Input type=submit name="g" value="后一页">
    </Form>
    </td>
    <td> <FORM action="">
        输入页码: <Input type=text name="showPage" size=5 >
        <Input type=submit name="g" value="提交">
    </Form>
    </td>
</tr>
```

```
</Table>
</BODY></HTML>
```

例子 10

linkOracle.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="java.sql.*" %>
<HTML><BODY>
<% Connection con=null;
   Statement sql=null;
   ResultSet rs=null;
   try{   Class.forName("oracle.jdbc.driver.OracleDriver");
        }
   catch(ClassNotFoundException e){}
   try
   {   con=DriverManager.getConnection("jdbc:oracle:thin:@192.168.0.35:1521:Lea",
                                       "scott","tiger");

       sql=con.createStatement();
       rs=sql.executeQuery("select * from emp");
       out.print("<Table Border>");
       out.print("<TR>");
           out.print("<TH width=100>"+ "EMPNO");
           out.print("<TH width=50>"+ "Ename");
       out.print("</TR>");
       while(rs.next())
       {   out.print("<TR>");
           int n=rs.getInt(1);
           out.print("<TD >"+n+"</TD>");
           String e=rs.getString(2);
           out.print("<TD >"+e+"</TD>");
           out.print("</TR>");
       }
       out.print("</Table>");
       con.close();
   }
```

```

        catch(SQLException e1)
        {out.print(""+e1);
        }
    %>
</BODY></HTML>

```

例子 11

linkMySql.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="java.sql.*" %>
<HTML><BODY>
<%
    Connection con;
    Statement sql;
    ResultSet rs;
    try { Class.forName("com.mysql.jdbc.Driver");
        }
    catch(Exception e)
        { out.print(e);
        }
    try { String uri= "jdbc:mysql://localhost/factory";
        con=DriverManager.getConnection(uri,"root","123");
        sql=con.createStatement();
        rs=sql.executeQuery("SELECT * FROM employee");
        out.print("<table border=2>");
        while(rs.next())
            { out.print("<tr>");
                out.print("<td >"+rs.getString(1)+"</td>");
                out.print("<td >"+rs.getString(2)+"</td>");
                out.print("<td >"+rs.getDate(3)+"</td>");
                out.print("<td >"+rs.getFloat(4)+"</td>");
                out.print("</tr>") ;
            }
        out.print("</table>");
        con.close();
    }
}

```

```

        catch(SQLException e1)
        {   out.print(e1);
        }
    %>
</BODY></HTML>

```

例子 12

MySqlBean. java

```

package database.operation;
import java.sql.*;
public class MySqlBean
{   String databaseName="";        //数据库名
    String tableName="";           //表名
    String user="";                //用户
    String secret="";              //密码
    StringBuffer queryResult;      //查询结果
    public MySqlBean()
    {   queryResult=new StringBuffer();
        try{   Class.forName("com.mysql.jdbc.Driver");
        }
        catch(Exception e){}
    }
    public void setDatabaseName(String s)
    {   databaseName=s.trim();
        queryResult=new StringBuffer();
    }
    public String getDatabaseName()
    {   return databaseName;
    }
    public void setTableName(String s)
    {   tableName=s.trim();
        queryResult=new StringBuffer();
    }
    public String getTableName()
    {   return tableName;
    }
}

```

```

public void setSecret(String s)
{
    secret=s.trim();
    queryResult=new StringBuffer();
}

public String getSecret()
{
    return secret;
}

public void setUser(String s)
{
    user=s.trim();
    queryResult=new StringBuffer();
}

public String getUser()
{
    return user;
}

public StringBuffer getQueryResult()
{
    Connection con;
    Statement sql;
    ResultSet rs;
    try { queryResult.append("<table border=1>");
        String uri= "jdbc:mysql://localhost/factory";
        String user="root";
        String password="123";
        con=DriverManager.getConnection(uri,user,password);
        DatabaseMetaData metadata=con.getMetaData();
        ResultSet rs1=metadata.getColumns(null,null,tableName,null);
        int 字段个数=0;
        queryResult.append("<tr>");
        while(rs1.next())
        { 字段个数++;
            String columnName=rs1.getString(4);
            queryResult.append("<td>"+columnName+"</td>");
        }
        queryResult.append("</tr>");
        sql=con.createStatement();
        rs=sql.executeQuery("SELECT * FROM "+tableName);
        while(rs.next())
        {
            queryResult.append("<tr>");
            for(int k=1;k<=字段个数;k++)
            {
                queryResult.append("<td>"+rs.getString(k)+"</td>");
            }
        }
    }
    catch (Exception e) {
        e.printStackTrace();
    }
}

```

```

        }
        queryResult.append("</tr>");
    }
    queryResult.append("</table>");
    con.close();
}
catch(SQLException e)
{
    queryResult.append("请输入正确的用户名和密码");
}
return queryResult;
}
}

```

mysql.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="database.operation.MySqlBean" %>
<jsp:useBean id="base" class="database.operation.MySqlBean" scope="session"/>
<jsp:setProperty name="base" property="*" />
<HTML><Body bgcolor=cyan><Font size=2>
<FORM action="" Method="post" >
    输入数据库的名字
    <Input type=text name="databaseName" size=10>
    输入表的名字
    <Input type=text name="tableName" size=18>
    <br>输入用户名称(使用默认 root 用户访问数据库):
    <Input type=text name="user" size=6>
    <BR> 输入密码(如果没有为 root 设置密码, 不必输入):
    <Input type="password" name="secret" size=6>
    <Input type=submit name="g" value="提交">
</Form>
    在<jsp:getProperty name="base" property="tableName"/>表查询到记录:
    <BR> <jsp:getProperty name="base" property="queryResult"/>
</Font></Body></HTML>

```

例子 13

inquireExcel.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="java.sql.*" %>
<HTML><BODY>
<%
    Connection con;
    Statement sql;
    ResultSet rs;
    try{    Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        }
    catch(ClassNotFoundException e) {}
    try{ con=DriverManager.getConnection("jdbc:odbc:star","","");
        sql=con.createStatement();
        sql.executeUpdate("UPDATE message SET 品名='电缆线' WHERE 货号='ED56G'");
        rs=sql.executeQuery("SELECT * FROM message");
        out.print("<Table Border>");
        out.print("<TR>");
            out.print("<TH width=100>"+ "货号");
            out.print("<TH width=100>"+ "品名");
            out.print("<TH width=50>"+ "单位");
            out.print("<TH width=50>"+ "单价");
            out.print("<TH width=50>"+ "库存");
        out.print("</TR>");
        while(rs.next())
        { out.print("<TR>");
            out.print("<TD >"+rs.getString(1)+"</TD>");
            out.print("<TD >"+rs.getString(2)+"</TD>");
            out.print("<TD >"+rs.getString(3)+"</TD>");
            out.print("<TD >"+rs.getString(4)+"</TD>");
            out.print("<TD >"+rs.getString(5)+"</TD>");
            out.print("</TR>") ;
        }
        out.print("</Table>");
        con.close();
    }
    catch(SQLException e1) {}
}
```

```
%>
</BODY></HTML>
```

例子 14

ApplicationCon. java

```
package database.operation;
import java.sql.*;
import java.util.LinkedList;
public class ApplicationCon
{
    LinkedList<Connection> list; //存放 Connection 对象的链表
    public ApplicationCon()
    {
        try {
            Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
        list=new LinkedList<Connection>();
        for(int k=0;k<=10;k++) //创建 10 个连接
        {
            try{
                String uri= "jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";
                String id="sa";
                String password="sa";
                Connection con=DriverManager.getConnection(uri,id,password);
                list.add(con);
            }
            catch(SQLException e) {}
        }
    }
    public synchronized Connection getOneConnetion()
    {
        if(list.size()>0)
            return list.removeFirst();//链表删除第一个节点，并返回该节点中的连接对象
        else
            return null;
    }
    public synchronized void putBackOneConnetion(Connection con)
    {
        list.addFirst(con);
    }
}
```

```
}
```

UseConBean.java

```
package database.operation;
import java.sql.*;
public class UseConBean
{   String tableName="";           //表名
    StringBuffer queryResult;      //查询结果
    Connection con;
    public UseConBean()
    {   queryResult=new StringBuffer();
    }
    public void setTableName(String s)
    {   tableName=s.trim();
        queryResult=new StringBuffer();
    }
    public String getTableName()
    {   return tableName;
    }
    public void setConnection(Connection con)
    {   this.con=con;
    }
    public StringBuffer getQueryResult()
    {   Statement sql;
        ResultSet rs;
        try{   queryResult.append("<table border=1>");
                DatabaseMetaData metadata=con.getMetaData();
                ResultSet rs1=metadata.getColumns(null,null,tableName,null);
                int 字段个数=0;
                queryResult.append("<tr>");
                while(rs1.next())
                {   字段个数++;
                    String columnName=rs1.getString(4);
                    queryResult.append("<td>"+columnName+"</td>");
                }
                queryResult.append("</tr>");
                sql=con.createStatement();
```

```

        rs=sql.executeQuery("SELECT * FROM "+tableName);
        while(rs.next())
        {   queryResult.append("<tr>");
            for(int k=1;k<=字段个数;k++)
            {   queryResult.append("<td>"+rs.getString(k)+"</td>");
            }
            queryResult.append("</tr>");
        }
        queryResult.append("</table>");
    }
    catch(SQLException e)
    {   queryResult.append("请输入正确的表名"+e);
    }
    return queryResult;
}
}

```

chaxun.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="database.operation.*" %>
<%@ page import="java.sql.*" %>
<jsp:useBean id="conSet" class="database.operation.ApplicationCon" scope="application"/>
<jsp:useBean id="inquire" class="database.operation.UseConBean" scope="request"/>
<% Connection connection=conSet.getOneConnetion();
    inquire.setConnection(connection);
%>

<jsp:setProperty name="inquire" property="tableName" param="tableName" />
<HTML><Body bgcolor=cyan><Font size=2>
    你连接的数据库是 factory
<FORM action="" Method="post" >
    输入表的名字: <Input type=text name="tableName" size=8>
    <Input type=submit name="g" value="提交">
</Form>
    在<jsp:getProperty name="inquire" property="tableName"/>表查询到记录:
<BR> <jsp:getProperty name="inquire" property="queryResult"/>
    <% conSet.putBackOneConnetion(connection);
    %>
</Font></Body></HTML>

```

例子 15

PreparedStatementBean.java

```
package database.operation;

import java.sql.*;

public class PreparedStatementBean
{
    String dbName="";           //数据库名称
    String tableName="";        //表的名字
    String user="";             //用户
    String password="";         //密码
    StringBuffer queryResult;    //查询结果

    public PreparedStatementBean()
    {
        queryResult=new StringBuffer();
        try{ Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e)
        {
            queryResult=new StringBuffer();
            queryResult.append(""+e);
        }
    }

    public void setDatabaseName(String s)
    {
        queryResult=new StringBuffer();
        dbName=s.trim();
    }

    public String getDatabaseName()
    {
        return dbName;
    }

    public void setTableName(String s)
    {
        queryResult=new StringBuffer();
        tableName=s.trim();
    }

    public String getTableName()
    {
        return tableName;
    }

    public void setPassword(String s)
    {
        password=s.trim();
    }
```

```

}

public String getPassword()
{
    return password;
}

public void setUser(String s)
{
    user=s.trim();
}

public String getUser()
{
    return user;
}

public StringBuffer getQueryResult()
{
    Connection con;
    PreparedStatement sql;
    ResultSet rs;
    try {
        queryResult.append("<table border=1>");
        String uri= "jdbc:sqlserver://127.0.0.1:1433;DatabaseName="+databaseName;
        con=DriverManager.getConnection(uri, user, password);
        DatabaseMetaData metadata=con.getMetaData();
        ResultSet rs1=metadata.getColumns(null, null, tableName, null);
        int 字段个数=0;
        queryResult.append("<tr>");
        while(rs1.next())
        {
            字段个数++;
            String columnName=rs1.getString(4);
            queryResult.append("<td>"+columnName+"</td>");
        }
        queryResult.append("</tr>");
        sql=con.prepareStatement("SELECT * FROM "+tableName); //预处理语句
        rs=sql.executeQuery();
        while(rs.next())
        {
            queryResult.append("<tr>");
            for(int k=1;k<=字段个数;k++)
            {
                queryResult.append("<td>"+rs.getString(k)+"</td>");
            }
            queryResult.append("</tr>");
        }
        queryResult.append("</table>");
        con.close();
    }
}

```

```

        catch(SQLException e)
        {   queryResult.append(e);
        }
        return queryResult;
    }
}

```

pre. jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import=" database.operation.PreparedQueryBean" %>
<jsp:useBean id="data" class="database.operation.PreparedQueryBean" scope="session"/>
<HTML><BODY ><Font size=2>
<h5>使用预处理语句查询数据库: </h5>
<FORM action="" Method="post" >
    输入数据库的名字: <Input type=text name="databaseName" value="factory" size=8>
    输入表的名字: <Input type=text name="tableName" value="employee" size=8>
    <br>输入用户名: <Input type=text name="user" size=6>
    输入密码: <Input type="password" name="password" size=6>
    <Input type=submit name="g" value="提交">
<jsp:setProperty name="data" property="*" />
<BR> 在<jsp:getProperty name="data" property="tableName"/>表查询到记录:
<BR> <jsp:getProperty name="data" property="queryResult"/>
</Form>
</Body></HTML>

```

例子 16

AddRecordBean.java

```

package database.operation;
import java.sql.*;
public class AddRecordBean
{   String number="",    //雇员号
        name="",        //姓名
        birthday;        //出生日期
    float salary;        //薪水
}

```

```

boolean ok=false;
public AddRecordBean()
{ try { Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
    }
    catch(ClassNotFoundException e) {}
}
public void setNumber(String s)
{ number=s.trim();
    try{ byte bb[]=number.getBytes("ISO-8859-1");
        number=new String(bb,"gb2312");
    }
    catch(Exception e) {}
}
public void setName(String s)
{ name=s.trim();
    try{ byte bb[]=name.getBytes("ISO-8859-1");
        name=new String(bb,"gb2312");
    }
    catch(Exception e) {}
}
public void setSalary(float n)
{ salary=n;
}
public void setBirthday(String b)
{ birthday=b;
}
public boolean getOk()
{ return ok;
}
public String getAddMessage()
{ String str="";
    Connection con;
    PreparedStatement sql;
    try { String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=factory";
        con=DriverManager.getConnection(uri,"sa","sa");
        String insertCondition="INSERT INTO employee VALUES (?, ?, ?, ?)";
        sql=con.prepareStatement(insertCondition);
        if(number.length()>0)
        { sql.setString(1,number);

```

```

        sql.setString(2, name);
        sql.setString(3, birthday);
        sql.setFloat(4, salary);
        int m=sql.executeUpdate();
        if(m!=0)
        {
            str="对表中添加"+m+"条记录成功";
            ok=true;
        }
        else
        {
            str="添加记录失败";
        }
    }
    else
    {
        str="必须要有雇员号";
    }
    con.close();
}
catch(SQLException e)
{
    str="你还没有提供添加的数据或"+e;
}
return str;
}
}

```

addRecord.jsp

```

<%@ page contentType="text/html;charset=GB2312"%>
<%@ page import="java.sql.*" %>
<%@ page import="database.operation.ConditionQuery"%>
<%@ page import="database.operation.AddRecordBean"%>
<jsp:useBean id="look" class="database.operation.ConditionQuery" scope="request"/>
<jsp:useBean id="add" class="database.operation.AddRecordBean" scope="request"/>
<HTML><BODY ><Font size=3>
    雇员号是主键，不可重复，请输入新记录的相应字段的值：
    <FORM action="" method=post>
    <table border=1>
    <tr><th><font size=2>雇员号</font></th>
    <th><font size=2>姓名</font></th>
    <th><font size=2>出生日期(格式必须是****-**-**)</font></th>

```

```

        <th><font size=2>薪水</font></th>
</tr>
<tr>
    <td><Input type="text" name="number"></td>
    <td><Input type="text" name="name" ></td>
    <td><Input type="text" name="birthday"></td>
    <td><Input type="text" name="salary" ></td>
</tr>
</table>
<BR><Input type="submit" name="b" value="提交添加">
</FORM>
<jsp:setProperty name="add" property="*" />
<br>你添加记录操作的结果:
<jsp:getProperty name="add" property="addMessage" />
<jsp:setProperty name="look" property="number" param="number"/>
<P>添加的记录是:
<% if(add.getOk()==true)
    {
    %>    <jsp:getProperty name="look" property="queryResultByNumber"/>
    <% }
    %>
</Font></BODY></HTML>

```

第 7 章 Java Servlet 基础

HelloBeijing.java:

```
package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HelloBeijing extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void service(HttpServletRequest request, HttpServletResponse response)
    throws IOException
    {
        response.setContentType("text/html;charset=GB2312");//设置响应的 MIME 类型
        PrintWriter out=response.getWriter();//获得一个向客户发送数据的输出流
        out.println("<html><body>");
        out.println("<h2>北京奥运圆满成功! </h2>");
        out.println("</body></html>");
    }
}
```

web.xml

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<web-app>
    <servlet>
        <servlet-name>hello</servlet-name>
        <servlet-class>star.moon.HelloBeijing</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>hello</servlet-name>
        <url-pattern>/lookHello</url-pattern>
    </servlet-mapping>
</web-app>
```

例子 1

giveRadius.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY ><Font size=3>
<FORM action="getResult" method=post>
    <BR>输入圆的半径: <Input Type=text name=radius>
        <Input Type=submit value="提交">
</FORM>
</Font></BODY></HTML>
```

Computer.java

```
package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class Computer extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }
    public void service(HttpServletRequest request, HttpServletResponse response)
        throws IOException
    {
        response.setContentType("text/html;charset=GB2312");
        PrintWriter out=response.getWriter();
        out.println("<html><body>");
        String str=request.getParameter("radius"); //获取客户提交的信息
        double r=0;
        try{
            r=Double.parseDouble(str);
            if(r>=0)
            {
                out.print("<BR>半径是 "+r+" 的圆的面积: ");
                out.print("<BR>"+Math.PI*r*r);
            }
            else
            {
                out.print("<BR>圆的半径不可以是负数:"+r);
            }
        }
    }
}
```

```

    }
    catch (NumberFormatException e)
    { out.print("<H1>请输入数字字符! </H1>");
    }
    out.println("</body></html>");
}
}

```

例子 2

showLetter.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY ><Font size=3>
    单击超链接查看希腊字母表:
    <BR><A href="helpMeShow">查看希腊字母表</A>
</Font></BODY></HTML>

```

ShowLetter.java

```

package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class ShowLetter extends HttpServlet
{ public void init(ServletConfig config) throws ServletException
    { super.init(config);
    }
    public void service(HttpServletRequest request,HttpServletResponse response)
        throws IOException
    { response.setContentType("text/html;charset=GB2312");
      PrintWriter out=response.getWriter();
      out.println("<html><body>");
      out.print("<BR>小写希腊字母: ");
      for(char c=' α ';c<=' ω ';c++)
      { out.print(" "+c);

```

```

    }
    out.print("<BR>大写希腊字母: ");
    for(char c=' A ';c<=' Ω';c++)
    { out.print(" "+c);
    }
    out.println("</body></html>");
}
}

```

例子 3

showPI. jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY ><Font size=5>
<A Href="computerPI" >参与计算 PI 的值<A>
</BODY></HTML>

```

ComputerPI. java

```

package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class ComputerPI extends HttpServlet
{ double sum=0, i=1, j=1;
  int number=0;
  public void init(ServletConfig config) throws ServletException
  {super.init(config);
  }
  public synchronized void service(HttpServletRequest request,
                                   HttpServletResponse response) throws IOException
  { response.setContentType("text/html; charset=GB2312");
    PrintWriter out=response.getWriter();
    out.println("<html><body>");

```

```

        number++;
        sum=sum+i/j;
        j=j+2;
        i=-i;
        out.println("servlet:"+getServletName()+"已经被请求了"+number+"次");
        out.println("<BR>现在 PI 的值是:");
        out.println(4*sum);
        out.println("</body></html>");
    }
}

```

例子 4

method. jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY ><Font size=2>
<P>输入一个数，提交给 servlet (Post 方式):
<FORM action="showSquare" method=post>
    <Input Type=text name=number>
    <Input Type=submit value="提交">
</FORM>
<P>输入一个数，提交给 servlet (Get 方式):
<FORM action="showSquareOrCubic" method=get>
    <Input Type=text name=number>
    <Input Type=submit value="提交">
</FORM>
<P>输入一个数，提交给 servlet (Post 方式):
<FORM action="showSquareOrCubic" method=get>
    <Input Type=text name=number>
    <Input Type=submit value="提交">
</FORM>
</BODY></HTML>

```

GetSquare. java

```

package star.moon;

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class GetSquare extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        response.setContentType("text/html;charset=GB2312");
        PrintWriter out=response.getWriter();
        out.println("<html><body>");
        String number=request.getParameter("number");    //获取客户提交的信息
        double n=0;
        try{
            n=Double.parseDouble(number);
            out.print("<BR>"+number+"的平方是: ");
            out.print("<BR>"+n*n);
        }
        catch(NumberFormatException e)
        {
            out.print("<H1>请输入数字字符! </H1>");
        }
        out.println("</body></html>");
    }

    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        doPost(request, response);
    }
}

```

GetSquareOrCubic. java

```

package star.moon;

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class GetSquareOrCubic extends HttpServlet

```

```

{ public void init(ServletConfig config) throws ServletException
    {super. init(config);
    }
public void doPost(HttpServletRequest request,HttpServletResponse response)
    throws ServletException, IOException
{ response.setContentType("text/html;charset=GB2312");
  PrintWriter out=response.getWriter();
  out.println("<html><body>");
  String number=request.getParameter("number");    //获取客户提交的信息
  double n=0;
  try{ n=Double.parseDouble(number);
      out.print("<BR>"+number+"的平方是: ");
      out.print("<BR>"+n*n);
    }
  catch(NumberFormatException e)
    { out.print("<H1>请输入数字字符! </H1>");
    }
  out.println("</body></html>");
}

public void doGet(HttpServletRequest request,HttpServletResponse response)
    throws ServletException, IOException
{ response.setContentType("text/html;charset=GB2312");
  PrintWriter out=response.getWriter();
  out.println("<html><body>");
  String number=request.getParameter("number");    //获取客户提交的信息
  double n=0;
  try{ n=Double.parseDouble(number);
      out.print("<BR>"+number+"的立方是: ");
      out.print("<BR>"+n*n*n);
    }
  catch(NumberFormatException e)
    { out.print("<H1>请输入数字字符! </H1>");
    }
  out.println("</body></html>");
}
}

```

例子 5

input.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML><BODY ><Font size=2>
<FORM action="verifyYourMessage" method=post>
    输入姓名:<Input Type=text name=name>
    <BR>输入年龄:<Input Type=text name=age>
    <BR><Input Type=submit value="提交">
</FORM></BODY></HTML>
```

Verify.java

```
package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class Verify extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        String name=request.getParameter("name");    //获取客户提交的信息
        String age=request.getParameter("age");        //获取客户提交的信息
        if(name.length()==0||name==null)
        {
            response.sendRedirect("input.jsp");        //重定向
        }
        else if(age.length()==0||name==null)
        {
            response.sendRedirect("input.jsp");        //重定向
        }
        else if(age.length()>0)
        {
            try { int numberAge=Integer.parseInt(age);
                if(numberAge<=0||numberAge>=150)
                {
                    response.sendRedirect("input.jsp");
                }
            }
        }
    }
}
```

```

        else
        {   RequestDispatcher dispatcher=
            request.getRequestDispatcher("forYouShowMessage");
            dispatcher.forward(request, response);    //转发
        }
    }
    catch(NumberFormatException e)
    {   response.sendRedirect("input.jsp");
    }
}

}

public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
{   doPost(request, response);
}
}

```

ShowMessage.java

```

package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class ShowMessage extends HttpServlet
{   public void init(ServletConfig config) throws ServletException
    {super.init(config);
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {   response.setContentType("text/html;charset=GB2312");
        PrintWriter out=response.getWriter();
        String name=request.getParameter("name");    //获取客户提交的信息
        String age=request.getParameter("age");    //获取客户提交的信息
        try{ byte bb[]=name.getBytes("ISO-8859-1");
            name=new String(bb,"gb2312");
        }
        catch(Exception exp) {}
        out.print("<Font color=blue size=4>您的姓名是：");
    }
}

```

```

        out.print(name);
        out.print("<BR><Font color=pink size=3>您的年龄是: ");
        out.print(age);
    }
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        doPost(request, response);
    }
}

```

例子 6

Boy.java

```

package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class Boy extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        response.setContentType("text/html;charset=GB2312");
        PrintWriter out=response.getWriter();
        out.print("<html><body>");
        HttpSession session=request.getSession(true); //获取客户的会话对象
        session.setAttribute("number", new Integer(668));
        out.println("您请求的 servlet 对象是:"+getServletName()+"，您的会话的 id: ");
        out.println("<BR>"+session.getId());
        out.println("<BR>单击超链接请求另一个 servlet: ");
        out.println("<A href=lookMySession>请求另一个 servlet</A>");
        out.print("</body></html>");
    }
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException

```

```

        {    doPost(request, response);
        }
    }
}

```

Look. java

```

package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class Look extends HttpServlet
{    public void init(ServletConfig config) throws ServletException
    {super.init(config);
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {    response.setContentType("text/html;charset=GB2312");
        PrintWriter out=response.getWriter();
        out.print("<html><body>");
        HttpSession session=request.getSession(true);           //获取客户的会话对象
        Integer number=(Integer)session.getAttribute("number");//获取会话中存储的数据
        int n=number.intValue();
        int m=n*n*n;
        out.println("您请求的 servlet 对象是:"+getServletName()+"，您的会话的 id: ");
        out.println("<BR>"+session.getId());
        out.println("<BR>您的会话中存储的整数: "+n);
        out.println("<BR>"+n+"的立方:"+m);
        out.print("</body></html>");
    }
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {    doPost(request, response);
    }
}

```

例子 7

getLetter.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY ><Font size=3>
<% session.setAttribute("message", "请您猜字母");
    char a[]=new char[26];
    int m=0;
    for(char c='a'; c<='z'; c++)
    {   a[m]=c;
        m++;
    }

    int randomIndex=(int) (Math.random()*a.length);
    char ch=a[randomIndex];    //获取一个英文字母
    session.setAttribute("savedLetter", new Character(ch));
%>
访问或刷新该页面可以随机得到一个英文字母.
<BR>单击超链接去猜出这个字母:<A href="inputLetter.jsp">去猜字母</A>
</Font></BODY></HTML>
```

inputLetter.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>
<HTML><BODY ><Font size=2>
<%   String message=(String)session.getAttribute("message"); //获取会话中的信息
%>
<Table border=1>
<FORM action="handleGuess" method=post>
<tr><td> 输入您的猜测 (a~z 之间的字母) :</td>
<td><Input Type=text name=clientGuessLetter size=4><Input Type=submit value="提交"></td>
</tr><td> 提示信息:</td>
        <td> <%= message%></td>
</FORM>
<FORM action="getLetter.jsp" method=post>
<tr><td>单击按钮重新开始: </td>
```

```

        <td><Input Type=submit value="随机得到一个字母"></td>
    </tr>
</FORM>
</Font></BODY></HTML>

```

HandleGuess.java

```

package star.moon;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleGuess extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true); //获取客户的会话对象
        String str=request.getParameter("clientGuessLetter");
        Character guessLetter=str.trim().charAt(0); //获取客户猜测所提交的字母
        Character savedLetter=(Character)session.getAttribute("savedLetter");
        char realLetter=savedLetter.charValue();
        if(Character.isUpperCase(guessLetter))
        {
            guessLetter=Character.toLowerCase(guessLetter);
        }
        if(guessLetter<realLetter)
        {
            session.setAttribute("message","您猜小了");
            response.sendRedirect("inputLetter.jsp");
        }
        if(guessLetter>realLetter)
        {
            session.setAttribute("message","您猜大了");
            response.sendRedirect("inputLetter.jsp");
        }
        if(guessLetter==realLetter)
        {
            session.setAttribute("message","您猜对了");
            response.sendRedirect("inputLetter.jsp");
        }
    }
}

```

```
public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{
    doPost(request, response);
}
}
```

第 8 章 基于 Servlet 的 MVC 模式

web.xml

```
<?xml version="1.0" encoding=" ISO-8859-1"?>
<web-app>
<servlet>
    <servlet-name>computerSum</servlet-name>
    <servlet-class>sun.yourservlet.HandleSum</servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>computerSum</servlet-name>
    <url-pattern>/lookSum</url-pattern>
</servlet-mapping>
</web-app>
```

Series.java

```
package moon.yourbean;
public class Series
{
    double firstItem; //数列首项
    double var;        //公差或公比
    int number;        //求和项数
    double sum;        //求和结果
    String name="";    //数列类别
    public void setFirstItem(double a)
    {
        firstItem=a;
    }
    public double getFirstItem()
    {
        return firstItem;
    }
    public void setVar(double b)
    {
        var=b;
    }
    public double getVar()
    {
        return var;
    }
}
```

```

    public void setNumber(int n)
    {   number=n;
    }

    public double getNumber()
    {   return number;
    }

    public void setSum(double s)
    {   sum=s;
    }

    public double getSum()
    {   return sum;
    }

    public void setName(String na)
    {   name=na;
    }

    public String getName()
    {   return name;
    }
}

```

inputMess.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY ><Font size=2>
<FORM action="lookSum" Method="post" >
    等差数列求和:
    <BR>输入首项:<Input type=text name="firstItem" size=4>
        输入公差:<Input type=text name="var" size=4>
        求和项数:<Input type=text name="number" size=4>
    <Input type=submit value="提交">
</FORM>
<FORM action="lookSum" Method="get" >
    等比数列求和:
    <BR>输入首项:<Input type=text name="firstItem" size=4>
        输入公比:<Input type=text name="var" size=4>
        求和项数:<Input type=text name="number" size=4>
    <Input type=submit value="提交">
</FORM>
</Font></BODY></HTML>

```

showResult.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="moon.yourbean.*"%>
<jsp:useBean id="lie" type="moon.yourbean.Series" scope="request"/>
<HTML><BODY>
    <Table border=1>
        <tr>
            <th> 数列的首项</th>
            <th> <jsp:getProperty name="lie" property="name"/></th>
            <th> 所求项数</th>
            <th> 求和结果</th>
        </tr>
        <td><jsp:getProperty name="lie" property="firstItem"/></td>
        <td><jsp:getProperty name="lie" property="var"/></td>
        <td><jsp:getProperty name="lie" property="number"/></td>
        <td><jsp:getProperty name="lie" property="sum"/></td>
    </tr>
</Table>
</BODY></HTML>
```

HandleSum.java

```
package sun.yourservlet;
import moon.yourbean.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleSum extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        Series shulie=new Series(); //创建 Javabean 对象
        request.setAttribute("lie", shulie); //将 shulie 存储到 HttpServletRequest 对象中
        double a=Double.parseDouble(request.getParameter("firstItem"));
        double d=Double.parseDouble(request.getParameter("var"));
        int n=Integer.parseInt(request.getParameter("number"));
        shulie.setFirstItem(a); //将数据存储在 shulie 中
    }
}
```

```

        shulie.setVar(d);
        shulie.setNumber(n);
        //计算和:
        double sum=0,item=a;
        int i=1;
        shulie.setName("等差数列的公差");
        while(i<=n)                //计算等差数列的和
        { sum=sum+item;
          i++;
          item=item+d;
        }
        shulie.setSum(sum);
        RequestDispatcher dispatcher=request.getRequestDispatcher("showResult.jsp");
        dispatcher.forward(request,response); //请求 showResult.jsp 显示 shulie 中的数据
    }

    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        Series shulie=new Series();
        request.setAttribute("lie",shulie);
        double a=Double.parseDouble(request.getParameter("firstItem"));
        double d=Double.parseDouble(request.getParameter("var"));
        int n=Integer.parseInt(request.getParameter("number"));
        shulie.setFirstItem(a);
        shulie.setVar(d);
        shulie.setNumber(n);
        //计算和:
        double sum=0,item=a;
        int i=1;
        shulie.setName("等比数列的公比");
        while(i<=n)                //计算等比数列的和
        { sum=sum+item;
          i++;
          item=item*d;
        }
        shulie.setSum(sum);
        RequestDispatcher dispatcher=request.getRequestDispatcher("showResult.jsp");
        dispatcher.forward(request,response);
    }
}

```

Equation.java

```
package moon.yourbean;

public class Equation
{
    double a,b,c;
    String rootOne,rootTwo;
    boolean squareEquation;
    public void setA(double a)
    {
        this.a=a;
    }
    public double getA()
    {
        return a;
    }
    public void setB(double b)
    {
        this.b=b;
    }
    public double getB()
    {
        return b;
    }
    public void setC(double c)
    {
        this.c=c;
    }
    public double getC()
    {
        return c;
    }
    public void setRootOne(String root)
    {
        rootOne=root;
    }
    public String getRootOne()
    {
        return rootOne;
    }
    public void setRootTwo(String root)
    {
        rootTwo=root;
    }
    public String getRootTwo()
    {
        return rootTwo;
    }
}
```

```

    }

    public void setIsSquareEquation(boolean b)
    { squareEquation=b;
    }

    public boolean getIsSquareEquation()
    { return squareEquation;
    }
}

```

input.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY ><Font size=2>
<FORM action="handleData" Method="post" >
    <BR>输入一元二次方程的系数:
    <BR> 二次项系数 a:<Input type=text name="a" size=4>
        一次项系数 b:<Input type=text name="b" size=4>
        常数项 c:<Input type=text name="c" size=4>
    <Input type=submit value="提交">
</FORM>
</Font></BODY></HTML>

```

show.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="moon.yourbean.*"%>
<jsp:useBean id="equation" type="moon.yourbean.Equation" scope="request"/>
<HTML><BODY ><Font size=2>
    一元二次方程的系数是:
    <BR> 二次项系数: <jsp:getProperty name="equation" property="a"/>
        一次项系数: <jsp:getProperty name="equation" property="b"/>
        常数项: <jsp:getProperty name="equation" property="c"/>
    <BR>是一元二次方程吗? <jsp:getProperty name="equation" property="isSquareEquation"/>
    <BR>方程的两个根是: <jsp:getProperty name="equation" property="rootOne"/>,
        <jsp:getProperty name="equation" property="rootTwo"/>
</FONT></BODY></HTML>

```

HandleData.java

```
package sun.yourservlet;

import moon.yourbean.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleData extends HttpServlet

{   public void init(ServletConfig config) throws ServletException
    {super.init(config);
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {   Equation equ=new Equation(); //创建 Javabean 对象
        request.setAttribute("equation",equ);// 将 equ 存储到 HttpServletRequest 对象中
        double a=Double.parseDouble(request.getParameter("a"));
        double b=Double.parseDouble(request.getParameter("b"));
        double c=Double.parseDouble(request.getParameter("c"));
        equ.setA(a);           //将数据存储在 equ 中
        equ.setB(b);
        equ.setC(c);
        if(a!=0)
            equ.setIsSquareEquation(true);
        else
            equ.setIsSquareEquation(true);
        double disk=b*b-4*a*c;
        if(disk<0)
        {   equ.setRootOne("无实根");
            equ.setRootTwo("无实根");
        }
        else
        {   double root1=(-b+Math.sqrt(disk))/(2*a),
            root2=(-b-Math.sqrt(disk))/(2*a);
            equ.setRootOne(""+root1);
            equ.setRootTwo(""+root2);
        }

        RequestDispatcher dispatcher=request.getRequestDispatcher("show.jsp");
        dispatcher.forward(request,response);    //请求 show.jsp 显示 equ 中的数据
    }
```

```

    }
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        doPost(request, response);
    }
}

```

简单的计算器

ComputerBean.java

```

package flower.grass;

public class ComputerBean
{
    double numberOne, numberTwo, result;
    String operator="+";

    public void setNumberOne(double n)
    {
        numberOne=n;
    }

    public double getNumberOne()
    {
        return numberOne;
    }

    public void setNumberTwo(double n)
    {
        numberTwo=n;
    }

    public double getNumberTwo()
    {
        return numberTwo;
    }

    public void setOperator(String s)
    {
        operator=s.trim();
    }

    public String getOperator()
    {
        return operator;
    }

    public void setResult(double r)
    {
        result=r;
    }

    public double getResult()
    {
        return result;
    }
}

```

```

    }
}

```

inputNumber.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY ><Font size=2>
  <FORM action="helpComputer" method=post name=form>
    <table>
      <tr><td> 输入两个数:</td>
        <td> <Input type=text name="numberOne" value=0 size=6></td>
        <td> <Input type=text name="numberTwo" value=0 size=6></td>
      </tr>
      <tr><td>选择运算符号:</td>
        <td> <Select name="operator">
          <Option value="+">+(加)
          <Option value="-">-(减)
          <Option value="*">*(乘)
          <Option value="/">/ (除)
        </Select>
        </td>
        <td> <INPUT TYPE="submit" value="提交选择" name="submit"></td>
      </tr>
    </table>
  </FORM>
</Font></BODY></HTML>

```

showResult.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="moon.yourbean.*" %>
<HTML><BODY ><Font size=2>
  <jsp:useBean id="ok" type="moon.yourbean.ComputerBean" scope="session"/>
  运算结果:
  <jsp:getProperty name="ok" property="numberOne"/>
  <jsp:getProperty name="ok" property="operator"/>
  <jsp:getProperty name="ok" property="numberTwo"/> =

```

```

<jsp:getProperty name="ok" property="result"/>
<FORM action="helpComputer" method=post name=form>
<table>
<tr><td> 输入两个数:</td>
    <td> <Input type=text name="numberOne"
        value="<jsp:getProperty name="ok" property="result"/>"
        size=10></td>

    <td> <Input type=text name="numberTwo" value=0 size=10></td>
</tr>
<tr>
    <td>选择运算符:</td>
    <td> <Select name="operator">
        <Option value="+">+(加)
        <Option value="-">-(减)
        <Option value="*">*(乘)
        <Option value="/">/ (除)
    </Select>
</td>
    <td> <INPUT TYPE="submit" value="提交选择" name="submit"></td>
</tr>
</table>
</BODY></HTML>

```

HandleComputer.java

```

package sun.yourservlet;
import moon.yourbean.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleComputer extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {
        ComputerBean dataBean=null;
        HttpSession session=request.getSession(true);
        try{
            dataBean=(ComputerBean)session.getAttribute("ok");

```

```

        if(dataBean==null)
        { dataBean=new ComputerBean(); //创建 Javabean 对象
          session.setAttribute("ok",dataBean);//将 dataBean 存储到 session 对象中
        }
    }
    catch(Exception exp)
    { dataBean=new ComputerBean(); //创建 Javabean 对象
      session.setAttribute("ok",dataBean);// 将 dataBean 存储到 session 对象中
    }

    double numberOne=Double.parseDouble(request.getParameter("numberOne"));
    double numberTwo=Double.parseDouble(request.getParameter("numberTwo"));
    String operator=request.getParameter("operator");
    double result=0;
    if(operator.equals("+"))
    { result=numberOne+numberTwo;
    }
    else if(operator.equals("-"))
    { result=numberOne-numberTwo;
    }
    else if(operator.equals("*"))
    { result=numberOne*numberTwo;
    }
    else if(operator.equals("/"))
    { result=numberOne/numberTwo;
    }

    dataBean.setNumberOne(numberOne); //将数据存储在 dataBean 中
    dataBean.setNumberTwo(numberTwo);
    dataBean.setOperator(operator);
    dataBean.setResult(result);
    RequestDispatcher dispatcher= request.getRequestDispatcher("showResult.jsp");
    dispatcher.forward(request, response);//请求 showResult.jsp 显示 dataBean 中的数据
}

public void doGet(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
{ doPost(request,response);
}
}

```

读取文件

FileMessage.java

```
package moon.yourbean;

public class FileMessage
{
    String filePath, fileName, fileContent;
    long fileLength;

    public void setFilePath(String str)
    {
        filePath=str;
    }

    public String getFilePath()
    {
        return filePath;
    }

    public void setFileName(String str)
    {
        fileName=str;
    }

    public String getFileName()
    {
        return fileName;
    }

    public void setFileContent(String str)
    {
        fileContent=str;
    }

    public String getFileContent()
    {
        return fileContent;
    }

    public void setFileLength(long len)
    {
        fileLength=len;
    }

    public long getFileLength()
    {
        return fileLength;
    }
}
```

choiceFile.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
```

```

<HTML><BODY Font size=2>
  <FORM action="helpReadFile" method="post" name="form">
    输入文件的路径(如:d:/1000):<INPUT type="text" name="filePath">
    <BR>输入文件的名字(如:Hello.java):<INPUT type="text" name="fileName">
    <BR><INPUT type="submit" value="读取" name="submit">
  </FORM>
</Font></BODY></HTML>

```

showFile.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="moon.yourbean.*" %>
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="moon.yourbean.FileMessage" %>
<jsp:useBean id="file" type="moon.yourbean.FileMessage" scope="request"/>
<HTML><BODY ><Font size=2>
  文件的位置是 <jsp:getProperty name="file" property="filePath"/>,
  文件的名字:   <jsp:getProperty name="file" property="fileName"/>,
  文件的长度:   <jsp:getProperty name="file" property="fileLength"/> 字节.
  <BR> 您读取的文件的内容:
  <BR><TextArea rows= "6" cols= "60">
    <jsp:getProperty name="file" property="fileContent" />
  </TextArea>
</Font></BODY></HTML>

```

HandleFile.java

```

package sun.yourservlet;
import moon.yourbean.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleFile extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {
        FileMessage file=new FileMessage(); //创建 Javabean 对象
    }
}

```

```

request.setAttribute("file",file);
String filePath=request.getParameter("filePath");
String fileName=request.getParameter("fileName");
file.setFilePath(filePath);    //将数据存储在 file 中
file.setFileName(fileName);
try{ File f=new File(filePath,fileName);
    long length=f.length();
    file.setFileLength(length);
    FileReader in=new FileReader(f) ;
    BufferedReader inTwo=new BufferedReader(in);
    StringBuffer stringbuffer=new StringBuffer();
    String s=null;
    while ((s=inTwo.readLine())!=null)
    {   stringbuffer.append("\n"+s);
    }
    String content=new String(stringbuffer);
    file.setFileContent(content);
}
catch(IOException exp) {}
RequestDispatcher dispatcher= request.getRequestDispatcher("showFile.jsp");
dispatcher.forward(request, response);//请求 showFile.jsp 显示 file 中的数据
}

public void doGet(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
{   doPost(request,response);
}
}

```

查询数据库

ShowRecordByPage.java

```

package moon.yourbean;
import com.sun.rowset.*;
public class ShowRecordByPage
{   CachedRowSetImpl rowSet=null;           //存储表中全部记录的行集对象
    int pageSize=10;                         //每页显示的记录数
    int pageAllCount=0;                      //分页后的总页数

```

```

int showPage=1 ; //当前显示页
StringBuffer presentPageResult; //显示当前页内容
String databaseName=""; //数据库名称
String tableName=""; //表的名字
StringBuffer formTitle=null; //表头
public void setRowSet(CachedRowSetImpl set)
{ rowSet=set;
}
public CachedRowSetImpl getRowSet()
{ return rowSet;
}
public void setPageSize(int size)
{ pageSize=size;
}
public int getPageSize()
{ return pageSize;
}
public int getPageAllCount()
{ return pageAllCount;
}
public void setPageAllCount(int n)
{ pageAllCount=n;
}
public void setShowPage(int n)
{ showPage=n;
}
public int getShowPage()
{ return showPage;
}
public void setPresentPageResult(StringBuffer p)
{ presentPageResult=p;
}
public StringBuffer getPresentPageResult()
{ return presentPageResult;
}
public void setDatabaseName(String s)
{ databaseName=s.trim();
}
public String getDatabaseName()

```

```

    { return databaseName;
    }

    public void setTableName(String s)
    { tableName=s.trim();
    }

    public String getTableName()
    { return tableName;
    }

    public void setFormTitle(StringBuffer s)
    { formTitle=s;
    }

    public StringBuffer getFormTitle()
    { return formTitle;
    }
}

```

choiceDatabase.jsp

```

<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY><Font size=2>
    <FORM action="helpReadRecord" method="post" name="form">
        输入 SQLServer 2000 所管理的数据库的名字(例如:pubs、factory):
        <BR><INPUT type="text" name="databaseName">
        <BR>输入相应数据库中表的名字(例如:jobs、employee):
        <BR><INPUT type="text" name="tableName">
        <BR>输入每页显示的记录数:
            <INPUT type="text" value="2" name="pageSize" size=6>
            <INPUT type="submit" value="提交" name="submit">
    </FORM>
</Font></BODY></HTML>

```

showRecord.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="moon.yourbean.*" %>
<HTML><BODY ><Font size=2>
    <jsp:useBean id="database" type="moon.yourbean.ShowRecordByPage" scope="session"/>

```

```

您查询的数据库: <jsp:getProperty name="database" property="databaseName"/>,
查询的表: <jsp:getProperty name="database" property="tableName"/>。
<BR>记录分 <jsp:getProperty name="database" property="pageAllCount"/> 页,
每页最多显示 <jsp:getProperty name="database" property="pageSize"/> 条记录,
目前显示第 <jsp:getProperty name="database" property="showPage"/> 页。
<table border=1>
    <jsp:getProperty name="database" property="formTitle"/>
    <jsp:getProperty name="database" property="presentPageResult"/>
</table>
<table>
    <tr><td>
        <FORM action="helpReadRecord" method="post" name="form">
            <INPUT type="hidden" value="previousPage" name="whichPage">
            <INPUT type="submit" value="上一页" name="submit">
        </FORM>
    </td>
    <td>
        <FORM action="helpReadRecord" method="post" name="form">
            <INPUT type="hidden" value="nextPage" name="whichPage">
            <INPUT type="submit" value="下一页" name="submit">
        </FORM>
    </td>
</tr>
</FORM>
</Font></BODY></HTML>

```

HandleDatabase.java

```

package sun.yourservlet;
import moon.yourbean.*;
import com.sun.rowset.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HandleDatabase extends HttpServlet
{
    int 字段个数;
    CachedRowSetImpl rowSet=null;

```

```

public void init(ServletConfig config) throws ServletException
{
    super.init(config);
    try {
        Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
    }
    catch(Exception e) {}
}

public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
{
    Connection con;
    StringBuffer presentPageResult=new StringBuffer();
    ShowRecordByPage databaseBean=null;
    HttpSession session=request.getSession(true);
    try{
        databaseBean=(ShowRecordByPage) session.getAttribute("database");
        if(databaseBean==null)
        {
            databaseBean=new ShowRecordByPage(); //创建 Javabean 对象
            session.setAttribute("database", databaseBean);
        }
    }
    catch(Exception exp)
    {
        databaseBean=new ShowRecordByPage();
        session.setAttribute("database", databaseBean);
    }

    String databaseName=request.getParameter("databaseName");
    String tableName=request.getParameter("tableName");
    String ps= request.getParameter("pageSize");
    if(ps!=null)
    {
        try{
            int mm=Integer.parseInt(ps);
            databaseBean.setPageSize(mm);
        }
        catch(NumberFormatException exp)
        {
            databaseBean.setPageSize(1);
        }
    }

    int showPage=databaseBean.getShowPage();
    int pageSize=databaseBean.getPageSize();
    boolean boo=databaseName!=null&&tableName!=null&&
        databaseName.length()>0&&tableName.length()>0;
    if(boo)
    {
        databaseBean.setDatabaseName(databaseName); //数据存储在 databaseBean 中
    }
}

```

```

databaseBean.setTableName(tableName); //数据存储在 databaseBean 中
String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName="+databaseName;
try{ 字段个数=0;
    con=DriverManager.getConnection(uri,"sa","sa");
    DatabaseMetaData metadata=con.getMetaData();
    ResultSet rsl=metadata.getColumns(null,null,tableName,null);
    int k=0;
    String 字段[]=new String[100] ;
    while(rsl.next())
    { 字段个数++;
        字段[k]=rsl.getString(4); //获取字段的名称
        k++;
    }
    StringBuffer str=new StringBuffer();
    str.append("<tr>");
    for(int i=0;i<字段个数;i++)
    { str.append("<th>"+字段[i]+"</th>");
    }
    str.append("</tr>");
    databaseBean.setFormTitle(str); //数据存储在 databaseBean 中
    Statement sql=con.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,
                                         ResultSet.CONCUR_READ_ONLY);
    ResultSet rs=sql.executeQuery("SELECT * FROM "+tableName);
    rowSet=new CachedRowSetImpl(); //创建行集对象
    rowSet.populate(rs);
    con.close(); //关闭连接
    databaseBean.setRowSet(rowSet); //数据存储在 databaseBean 中
    rowSet.last();
    int m=rowSet.getRow(); //总行数
    int n=pageSize;
    int pageAllCount=((m%n)==0)?(m/n):(m/n+1);
    databaseBean.setPageAllCount(pageAllCount); //数据存储在 databaseBean 中
}
catch(SQLException exp){}
}

String whichPage=request.getParameter("whichPage");
if(whichPage==null||whichPage.length()==0)
{ showPage=1;
    databaseBean.setShowPage(showPage);
}

```

```

        CachedRowSetImpl rowSet=databaseBean.getRowSet();
        if(rowSet!=null)
        {
            presentPageResult=show(showPage, pageSize, rowSet);
            databaseBean.setPresentPageResult(presentPageResult);
        }
    }
    else if(whichPage.equals("nextPage"))
    {
        showPage++;
        if(showPage>databaseBean.getPageAllCount())
            showPage=1;
        databaseBean.setShowPage(showPage);
        CachedRowSetImpl rowSet=databaseBean.getRowSet();
        if(rowSet!=null)
        {
            presentPageResult=show(showPage, pageSize, rowSet);
            databaseBean.setPresentPageResult(presentPageResult);
        }
    }
    else if(whichPage.equals("previousPage"))
    {
        showPage--;
        if(showPage<=0)
            showPage=databaseBean.getPageAllCount();
        databaseBean.setShowPage(showPage);
        CachedRowSetImpl rowSet=databaseBean.getRowSet();
        if(rowSet!=null)
        {
            presentPageResult=show(showPage, pageSize, rowSet);
            databaseBean.setPresentPageResult(presentPageResult);
        }
    }
    databaseBean.setPresentPageResult(presentPageResult);
    RequestDispatcher dispatcher= request.getRequestDispatcher("showRecord.jsp");
    dispatcher.forward(request, response);        //请求 showRecord.jsp 显示数据
}

public StringBuffer show(int page,int pageSize,CachedRowSetImpl rowSet)
{
    StringBuffer str=new StringBuffer();
    try{
        rowSet.absolute((page-1)*pageSize+1);
        for(int i=1;i<=pageSize;i++)
        {
            str.append("<tr>");
            for(int k=1;k<=字段个数;k++)
            {
                str.append("<td>"+rowSet.getString(k)+"</td>");
            }
        }
    }
    catch(Exception e){}
    return str;
}

```

```

        }
        str.append("</tr>");
        rowSet.next();
    }
}

catch(SQLException exp) {}
return str;
}

public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{
    doPost(request, response);
}
}

```

第9章 JSP 中使用 XML

例子 1

Score.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<成绩>
  <学号 number="a1001">
    <姓名>赵一</姓名>
    <高等数学 课程性质="必修">89 </高等数学>
    <大学物理 课程性质="必修">88 </大学物理>
    <摄影艺术 课程性质="选修">良好 </摄影艺术>
  </学号>
  <学号 number="a1002">
    <姓名>钱二</姓名>
    <高等数学 课程性质="必修">77 </高等数学>
    <大学物理 课程性质="必修">66 </大学物理>
    <摄影艺术 课程性质="选修">良好 </摄影艺术>
  </学号>
  <学号 number="a1003">
    <姓名>孙三</姓名>
    <高等数学 课程性质="必修">75 </高等数学>
    <大学物理 课程性质="必修">69 </大学物理>
    <摄影艺术 课程性质="选修">良好 </摄影艺术>
  </学号>
  <学号 number="a1004">
    <姓名>李四</姓名>
    <高等数学 课程性质="必修">76 </高等数学>
    <大学物理 课程性质="必修">87 </大学物理>
    <摄影艺术 课程性质="选修">良好 </摄影艺术>
  </学号>
</成绩>
```

input.jsp

```
<%@ page contentType="text/html;Charset=GB2312" %>
<HTML><BODY bgcolor=cyan>
    <FORM action="byNumber" method=post name=form>
        输入学号，查询成绩：
        <INPUT type="text" name="studentNmber">
        <INPUT TYPE="submit" value="提交" >
    </FORM>
</HTML>
```

Number. java

```
package sun.yourservlet;
import java.io.*;
import org.w3c.dom.*;
import javax.xml.parsers.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class Number extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {
        boolean boo=false;
        response.setContentType("text/html;charset=GB2312");
        PrintWriter out=response.getWriter();
        out.println("<html><body>");
        String searchedNumber=request.getParameter("studentNmber");
        try{
            DocumentBuilderFactory factory=DocumentBuilderFactory.newInstance();
            DocumentBuilder builder= factory.newDocumentBuilder();
            Document document= builder.parse(new File("D:\\1000\\Score.xml"));
            Element root=document.getDocumentElement(); //获取根节点
            //返回根节点的Element 子节点，这些子节点对应着 XML 文件中的“学号”标记：
            NodeList elemnetNodes=root.getElementsByTagName("学号");
            int size=elemnetNodes.getLength();
            for(int k=0;k<size;k++)
```

```

        { Node node=elemnetNodes.item(k);
        if(node.getNodeType()==Node.ELEMENT_NODE) //判断 node 节点的类型
        { //再得到 node 节点的 number 属性的值:
            String stuNumber=((Element)node).getAttribute("number");//获取学号
            if(stuNumber.equals(searchedNumber))
            { boo=true;
            NodeList childNodes=node.getChildNodes();//获取 node 的全部子节点
            for(int i=0;k<childNodes.getLength();i++)
            { Node child=childNodes.item(i);
            if(child.getNodeType()==Node.ELEMENT_NODE)
            { String nodeName=((Element)child).getTagName().trim();
            out.println("<BR>" + nodeName);
            String courseType=((Element)child).getAttribute("课程性质");
            String contentStr=((Element)child).getTextContent();
            if(nodeName.startsWith("姓名"))
            out.println(": " + contentStr);
            else
            out.println("(" + courseType + ") : " + contentStr);
            }
            }
        }
    }
    if(boo==false)
        out.println("不存在您要查询的学号!");
    }
    catch(Exception ee)
    {}
    out.println("</body></html>");
}

public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{ doPost(request, response);
}
}

```

例子 2

trainList.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<trainList>
  <北京西站>
    <始发列车>
      <车次>
        <名字>T83 次</名字>
        <运行区间>北京西-南京</运行区间>
        <开车时间>20:17</开车时间>
        <终到时间>09:10</终到时间>
      </车次>
      <车次>
        <名字>T199 次</名字>
        <运行区间>北京西-上海</运行区间>
        <开车时间>23:25</开车时间>
        <终到时间>10:10</终到时间>
      </车次>
    </始发列车>
    <终到列车>
      <车次>
        <名字>T84 次</名字>
        <运行区间>南京-北京西</运行区间>
        <开车时间>21:17</开车时间>
        <终到时间>10:10</终到时间>
      </车次>
      <车次>
        <名字>T200 次</名字>
        <运行区间>上海-北京西</运行区间>
        <开车时间>22:25</开车时间>
        <终到时间>09:10</终到时间>
      </车次>
    </终到列车>
  </北京西站>
  <广东站>
```

```

<始发列车>
  <车次>
    <名字>T186 次</名字>
    <运行区间>广东-武汉</运行区间>
    <开车时间>22:17</开车时间>
    <终到时间>09:24</终到时间>
  </车次>
  <车次>
    <名字>T78 次</名字>
    <运行区间>广东-长沙</运行区间>
    <开车时间>18:25</开车时间>
    <终到时间>11:10</终到时间>
  </车次>
</始发列车>
<终到列车>
  <车次>
    <名字>T193 次</名字>
    <运行区间>南京-广东</运行区间>
    <开车时间>21:17</开车时间>
    <终到时间>10:10</终到时间>
  </车次>
  <车次>
    <名字>T200 次</名字>
    <运行区间>上海-广东</运行区间>
    <开车时间>21:15</开车时间>
    <终到时间>12:10</终到时间>
  </车次>
</终到列车>
</广东站>

</trainList>

```

train.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="moon.yourbean.*"%>
<jsp:useBean id="ok" class="moon.yourbean.SAXBean" scope="page"/>
<jsp:setProperty name="ok" property="stationName" param="stationName"/>

```

```

<jsp:setProperty name="ok" property="startOrArrive" param="startOrArrive"/>
<HTML><BODY bgcolor=cyan><Font size=2>
  <FORM action="" Method="post" >
    选择站名:
    <Select name="stationName">
      <Option value="北京西站">北京西站
      <Option value="广东站">广东站
    </Select>
    选择始发或终到:
    <INPUT type="radio" name="startOrArrive" value="始发列车" checked="default">始发列车
    <INPUT type="radio" name="startOrArrive" value="终到列车">终到列车
    <BR> <Input type=submit value="提交">
  </FORM>
  <jsp:getProperty name="ok" property="stationName"/>,
  <jsp:getProperty name="ok" property="startOrArrive"/>:
  <jsp:getProperty name="ok" property="trainMessages"/>
</FONT></BODY></HTML>

```

SAXBean.java

```

package moon.yourbean;
import javax.xml.parsers.*;
import org.xml.sax.helpers.*;
import org.xml.sax.*;
public class SAXBean
{
    String stationName="北京西站";           //站名
    String startOrArrive="" ;                 //始发或终到
    StringBuffer trainMessages=new StringBuffer(); //信息
    SAXParserFactory factory=null;
    SAXParser saxParser=null; //解析器
    MyHandler handler;           //事件处理器
    public void setStationName(String s)
    {
        stationName=s.trim();
        try{ byte b[]=stationName.getBytes("ISO-8859-1");
            stationName=new String(b);
        }
        catch(Exception ee) {}
    }
    public String getStationName()

```

```

        { return stationName;
        }
    public void setStartOrArrive(String s)
    { startOrArrive=s.trim();
      try{ byte b[]=startOrArrive.getBytes("ISO-8859-1");
          startOrArrive=new String(b);
        }
      catch(Exception ee){}
    }
    public String getStartOrArrive()
    { return startOrArrive;
    }
    public StringBuffer getTrainMessages()
    { try{ factory=SAXParserFactory.newInstance() ;
          saxParser=factory.newSAXParser();
          handler=new MyHandler(trainMessages,stationName,startOrArrive);
          saxParser.parse("D:/1000/trainList.xml",handler);
        }
      catch(Exception e){ System.out.println(e);}
      return trainMessages;
    }
}

class MyHandler extends DefaultHandler
{ StringBuffer trainMessages;
  String stationName,startOrArrive;
  boolean 站名标记=false,始发或终到标记=false;
  MyHandler(StringBuffer mess,String sName,String startOrArr)
  { trainMessages=mess;
    stationName=sName;
    startOrArrive=startOrArr;
  }
  public void startDocument()
  { trainMessages.append("<table border=2> ");
    trainMessages.append("<tr>");
    trainMessages.append("<th>车次名字</th>");
    trainMessages.append("<th>运行区间</th>");
    trainMessages.append("<th>始发时间</th>");
    trainMessages.append("<th>终到时间</th>");
    trainMessages.append("</tr>");
  }
}

```

```

    }

    public void endDocument()
    {
        trainMessages.append("</table> ");
    }

    public void startElement(String uri,String localName,
                             String qName,Attributes atts)
    {
        qName=qName.trim();
        if(qName.equals(stationName))
        {
            站名标记=true;
            trainMessages.append(" "+qName);
        }

        if(qName.equals(startOrArrive))
        {
            始发或终到标记=true;
        }

        if(qName.endsWith("车次"))
        {
            trainMessages.append("<tr>");
        }
    }

}

public void endElement(String uri,String localName,String qName)
{
    if(qName.startsWith(stationName))
    {
        站名标记=false;
    }

    if(qName.startsWith(startOrArrive))
    {
        始发或终到标记=false;
    }

    if(qName.endsWith("车次"))
    {
        trainMessages.append("</tr>");
    }
}

public void characters(char[] ch,int start,int length)
{
    String text=new String(ch,start,length);
    text=text.trim();
    if(站名标记==true&&始发或终到标记==true&&text.length()>0)
    {
        String str=text.trim();
        trainMessages.append("<td>"+str+"</td>");
    }
}

```

```
}  
}
```

例子 3

type.jsp

```
<%@ page contentType="text/html; charset=GB2312" %>  
<HTML><BODY bgcolor=yellow >  
<BR>显示几个数学公式和化合物分子式: <A href="formula.xml">显示</A>  
</BODY></HTML>
```

formula.xml

```
<?xml version="1.0" encoding="UTF-8" ?>  
<?xml-stylesheet href="show.css" type="text/css" ?>  
<root>  
  <math> 几个数学公式:  
    <formula>  
      平方和公式:  
       $(A+B)^2=$   
       $A^2+2AB+B^2$   
    </formula>  
    <formula>  
      立方和公式:  
       $(A+B)^3=$   
       $A^3+3A^2B+3B^2A+A^3$   
    </formula>  
  </math>  
  <chemistry>  
    几个化合物分子式:  
    <molecular>  
      水的分子式:  
       $H_2O$   
    </molecular>  
    <molecular>  
      二氧化硫的分子式:  
       $SO_2$   
    </molecular>
```

```

    <molecular>
      碳酸的分子式:
      H<low>2</low>CO<low>3</low>
    </molecular>
  </chemistry>
</root>

```

show.css

```

math
{
  display:block;
  background-color:yellow;
  color:green;
  left=100;
}
chemistry
{
  display:block;
  background-color:cyan;
  color:green;
  left=100;
}
formula
{
  display:list-item;
  list-style-type:lower-roman;
  margin-left:60;
  font-size:14pt;
  color:black;
}
molecular
{
  display:list-item;
  list-style-type:decimal;
  margin-left:60;
  font-size:14pt;
  color:black;
}
sup
{
  display:line;
  font-size:10pt;
  font-weight:bold;
}

```

```
font-style:italic;
color:blue;
vertical-align:super;
}
low
{ display:line;
font-size:8pt;
font-weight:bold;
color:blue;
vertical-align:bottom;
}
```

第 10 章 基于会员制的网络广告系统

head.txt

```
<%@ page contentType="text/html;charset=GB2312" %>
<CENTER><Font size=5><P>网 络 广 告 系 统</Font></CENTER>
<table cellSpacing="1" cellPadding="1" width="560" align="center" border="0" >
  <tr valign="bottom">
    <td><A href="register.jsp"><font size=2>会员注册</font></A></td>
    <td><A href="login.jsp"><font size=2>会员登录</font></A></td>
    <td><A href="upload.jsp"><font size=2>上传广告照片</font></A></td>
    <td><A href="choiceLookType.jsp"><font size=2>浏览会员的广告</font></A></td>
    <td><A href="choiceModifyMess.jsp"><font size=2>修改注册信息</font></A></td>
    <td><A href="modifyPassword.jsp"><font size=2>修改密码</font></A></td>
    <td><A href="helpExitLogin"><font size=2>退出登录</font></A></td>
    <td><A href="index.jsp"><font size=2>返回主页</font></A></td>
  </tr>
</Font>
</table>
```

index.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<HTML> <BODY>
<HEAD><%@ include file="head.txt" %></HEAD>
<CENTER> <h1><Font Size=4 color=red>欢迎您来这里做广告</font></h1>
</img>
</CENTER>
</BODY></HTML>
```

web.xml

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<web-app>
<servlet>
  <servlet-name>register</servlet-name>
  <servlet-class>myservlet.control.HandleRegister</servlet-class>
</servlet>
<servlet-mapping>
  <servlet-name>register</servlet-name>
```

```

        <url-pattern>/helpRegister</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>login</servlet-name>
        <servlet-class>myservlet.control.HandleLogin</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>login</servlet-name>
        <url-pattern>/helpLogin</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>upload</servlet-name>
        <servlet-class>myservlet.control.HandleUpload</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>upload</servlet-name>
        <url-pattern>/helpUpload</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>lookRecord</servlet-name>
        <servlet-class>myservlet.control.HandleDatabase</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>lookRecord</servlet-name>
        <url-pattern>/helpShowMember</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>modifyPassword</servlet-name>
        <servlet-class>myservlet.control.HandlePassword</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>modifyPassword</servlet-name>
        <url-pattern>/helpModifyPassword</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>getOldMess</servlet-name>
        <servlet-class>myservlet.control.GetOldMess</servlet-class>
    </servlet>
    <servlet-mapping>

```

```

        <servlet-name>getOldMess</servlet-name>
        <url-pattern>/helpGetOldMess</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>modifyOldMess</servlet-name>
        <servlet-class>myservlet.control.HandleModifyMess</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>modifyOldMess</servlet-name>
        <url-pattern>/helpModifyMess</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>exit</servlet-name>
        <servlet-class>myservlet.control.HandleExit</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>exit</servlet-name>
        <url-pattern>/helpExitLogin</url-pattern>
    </servlet-mapping>
</web-app>

```

Register.java

```

package mybean.data;

public class Register
{
    String logname="",password="",advertiseTitle="",
        email="", phone="", message="";

    String backNews;

    public void setLogname(String name)
    {
        logname=name;
    }

    public String getLogname()
    {
        return logname;
    }

    public void setAdvertiseTitle(String s)
    {
        advertiseTitle=s;
    }

    public String getAdvertiseTitle()
    {
        return advertiseTitle;
    }
}

```

```

    public void setPassword(String pw)
    {   password=pw;
    }
    public String getPassword()
    {   return password;
    }
    public void setEmail(String em)
    {   email=em;
    }
    public String getEmail()
    {   return email;
    }
    public void setPhone(String ph)
    {   phone=ph;
    }
    public String getPhone()
    {   return phone;
    }
    public String getMessage()
    {   return message;
    }
    public void setMessage(String m)
    {   message=m;
    }
    public String getBackNews()
    {   return backNews;
    }
    public void setBackNews(String s)
    {   backNews=s;
    }
}

```

register.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<BODY bgcolor=cyan><Font size=2><CENTER>
<FORM action="helpRegister" name=form>
<table>

```

```

        输入您的信息，会员名字必须由字母和数字组成，带*号项必须填写。
    <tr><td>会员名称:</td><td><Input type=text name="logname" >*</td></tr>
    <tr><td>设置密码:</td><td><Input type=password name="password">*</td></tr>
    <tr><td>广告标题:</td><td><Input type=text name="advertiseTitle">*</td></tr>
    <tr><td>电子邮件:</td><td><Input type=text name="email"></td></tr>
    <tr><td>联系电话:</td><td><Input type=text name="phone"></td></tr>
</table>
<table>
    <tr><td><Font size=2>输入您的广告词: </td></tr>
    <tr>
        <td><TextArea name="message" Rows="6" Cols="30"></TextArea></td>
    </tr>
    <tr><td><Input type=submit name="g" value="提交"></td> </tr>
</table>
</Form></CENTER>
</Body></HTML>

```

showRegisterMess.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="mybean.data.*"%>
<jsp:useBean id="register" type="mybean.data.Register" scope="request"/>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<HTML><BODY bgcolor=cyan >
<CENTER>
    <Font size=4 color=blue >
        <BR> <jsp:getProperty name="register" property="backNews"/>
    </Font>
<table>
    <tr><td>注册的会员名称:
        </td><td><jsp:getProperty name="register" property="logname"/>
        </td></tr>
    <tr><td>注册的广告标题:</td>
        <td><jsp:getProperty name="register" property="advertiseTitle"/></td></tr>
    <tr><td>
        注册的电子邮件:</td><td><jsp:getProperty name="register" property="email"/>
    </td></tr>
    <tr><td>
        注册的联系电话:</td><td><jsp:getProperty name="register" property="phone"/>
    </td></tr>

```

```

</table>
<table><tr><td>您的广告词: </td></tr>
<tr><td><TextArea name="message" Rows="6" Cols="30">
    <jsp:getProperty name="register" property="message"/>
</TextArea>
</td>
</tr>
</table>
</CENTER></BODY></HTML>

```

HandleRegister.java

```

package myservlet.control;
import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleRegister extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
        try { Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
    }

    public String handleString(String s)
    {
        try{ byte bb[]=s.getBytes("iso-8859-1");
            s=new String(bb);
        }
        catch(Exception ee) {}
        return s;
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {
        Connection con;
        PreparedStatement sql;
        Register reg=new Register();
        request.setAttribute("register",reg);
        String logname=request.getParameter("logname").trim(),
        password=request.getParameter("password").trim(),

```

```

advertiseTitle=request.getParameter("advertiseTitle").trim(),
email=request.getParameter("email").trim(),
phone=request.getParameter("phone").trim(),
message=request.getParameter("message");
String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=Friend";
if(logname==null)
    logname="";
if(password==null)
    password="";
boolean isLD=true;
for(int i=0;i<logname.length();i++)
{
    char c=logname.charAt(i);
    if(!((c<='z' && c>='a') || (c<='Z' && c>='A') || (c<='9' && c>='0'))))
        isLD=false;
}
boolean boo=logname.length()>0&&password.length()>0&&isLD;
String backNews="";
try{
    con=DriverManager.getConnection(uri,"sa","sa");
    String insertCondition="INSERT INTO member VALUES (?, ?, ?, ?, ?, ?, ?)";
    sql=con.prepareStatement(insertCondition);
    if(boo)
    {
        sql.setString(1,handleString(logname));
        sql.setString(2,handleString(password));
        sql.setString(3,handleString(advertiseTitle));
        sql.setString(4,phone);
        sql.setString(5,email);
        sql.setString(6,handleString(message));
        sql.setString(7,"public.jpg");
        int m=sql.executeUpdate();
        if(m!=0)
        {
            backNews="注册成功";
            reg.setBackNews(backNews);
            reg.setLogname(logname);
            reg.setPassword(handleString(password));
            reg.setAdvertiseTitle(handleString(advertiseTitle));
            reg.setEmail(handleString(email));
            reg.setPhone(phone);
            reg.setMessage(handleString(message));
        }
    }
}

```

```

        }
        else
        {   backNews="信息填写不完整或名字中有非法字符";
            reg.setBackNews(backNews);
        }
        con.close();
    }
    catch(SQLException exp)
    {   backNews="该会员名已被使用，请您更换名字"+exp;
        reg.setBackNews(backNews);
    }

    RequestDispatcher dispatcher=
    request.getRequestDispatcher("showRegisterMess.jsp");//转发
    dispatcher.forward(request, response);
}

public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {   doPost(request, response);
    }
}

```

Login. java

```

package mybean.data;

public class Login
{   String logname,
        password,
        backNews="";

    boolean success=false;

    public void setLogname(String name)
    {   logname=name;
    }

    public String getLogname()
    {return logname;
    }

    public void setPassword(String pw)
    {   password=pw;
    }

    public String getPassword()
    {return password;
    }
}

```

```

    }

    public String getBackNews()
    { return backNews;
    }

    public void setBackNews(String s)
    { backNews=s;
    }

    public void setSuccess(boolean b)
    { success=b;
    }

    public boolean getSuccess()
    { return success;
    }
}

```

login.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<BODY bgcolor=pink><Font size=2><CENTER>
<BR><BR>
<table border=2>
<tr> <th>请您登录</th></tr>
<FORM action="helpLogin" Method="post">
<tr><td>登录名称:<Input type=text name="logname"></td></tr>
<tr><td>输入密码:<Input type=password name="password"></td></tr>
</table>
<BR><Input type=submit name="g" value="提交">
</Form></CENTER>
</BODY></HTML>

```

showLoginMess.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="mybean.data.Login"%>
<jsp:useBean id="login" type="mybean.data.Login" scope="session"/>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<HTML><BODY bgcolor=yellow >
<CENTER><Font size=4 color=blue >
    <BR> <jsp:getProperty name="login" property="backNews"/>

```

```

        </Font>
    <% if(login.isSuccess()==true)
    {
    %>    <BR>登录会员名称:<jsp:getProperty name="login" property="logname"/>
    <% }
    else
    {
    %>    <BR>登录会员名称:<jsp:getProperty name="login" property="logname"/>
        <BR>登录会员密码:<jsp:getProperty name="login" property="password"/>
    <% }
    %>
</FONT></CENTER>
</BODY></HTML>

```

HandleLogin.java

```

package myservlet.control;

import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleLogin extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
        try {
            Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
    }

    public String handleString(String s)
    {
        try{
            byte bb[]=s.getBytes("iso-8859-1");
            s=new String(bb);
        }
        catch(Exception ee) {}
        return s;
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {
        Connection con;
        PreparedStatement sql;
    }
}

```

```

Login loginBean=null;
String backNews="";
HttpSession session=request.getSession(true);
try{ loginBean=(Login)session.getAttribute("login");
    if(loginBean==null)
    { loginBean=new Login();
      session.setAttribute("login",loginBean);
    }
}
catch(Exception ee)
{ loginBean=new Login();
  session.setAttribute("login",loginBean);
}

String logname=request.getParameter("logname").trim(),
password=request.getParameter("password").trim();
boolean ok=loginBean.getSuccess();
logname=handleString(logname);
password=handleString(password);
if(ok==true&&logname.equals(loginBean.getLogname()))
{ backNews=logname+"已经登录了";
  loginBean.setBackNews(backNews);
}
else
{ String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=Friend";
  boolean boo=(logname.length()>0)&&(password.length()>0);
  try{ con=DriverManager.getConnection(uri,"sa","sa");
      String condition="select * from member where logname=? and password=?";
      sql=con.prepareStatement(condition);
      if(boo)
      { sql.setString(1,logname);
        sql.setString(2,password);
        ResultSet rs=sql.executeQuery();
        boolean m=rs.next();
        if(m==true)
        { backNews="登录成功";
          loginBean.setBackNews(backNews);
          loginBean.setSuccess(true);
          loginBean.setLogname(logname);
        }
      }
    }
}

```

```

        else
        {   backNews="您输入的用户名不存在，或密码不般配";
            loginBean.setBackNews(backNews);
            loginBean.setSuccess(false);
            loginBean.setLogname(logname);
            loginBean.setPassword(password);
        }
    }
    else
    {   backNews="您输入的用户名不存在，或密码不般配";
        loginBean.setBackNews(backNews);
        loginBean.setSuccess(false);
        loginBean.setLogname(logname);
        loginBean.setPassword(password);
    }
    con.close();
}
catch(SQLException exp)
{   backNews="" + exp;
    loginBean.setBackNews(backNews);
    loginBean.setSuccess(false);
}
}

RequestDispatcher dispatcher=request.getRequestDispatcher("showLoginMess.jsp");
dispatcher.forward(request, response);
}

public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{   doPost(request, response);
}
}

```

UploadFile.java

```

package mybean.data;

public class UploadFile
{   String fileName, savedFileName,
    backNews="";

    public void setFileName(String name)
    {   fileName=name;

```

```

    }
    public String getFileName()
    {return fileName;
    }
    public void setSavedFileName(String name)
    { savedFileName=name;
    }
    public String getSavedFileName()
    {return savedFileName;
    }
    public String getBackNews()
    { return backNews;
    }
    public void setBackNews(String s)
    { backNews=s;
    }
}

```

upload.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<BODY bgcolor=yellow><Font size=2><CENTER>
<BR>文件将被上传到 D:\apache-tomcat-5.5.20\webapps\ch10\image 中。
<BR>选择要上传的图像照片文件(名字不可以含有非 ASCII 码字符，比如汉字等):
<FORM action="helpUpload" method="post" ENCTYPE="multipart/form-data">
    <INPUT type=FILE name="fileName" size="40">
    <BR> <INPUT type="submit" name ="g" value="提交">
</FORM></CENTER>
</Font></BODY></HTML>

```

showUploadMess. jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="mybean.data.*"%>
<jsp:useBean id="upFile" type="mybean.data.UploadFile" scope="request"/>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<HTML><BODY bgcolor=yellow >
<CENTER><Font size=2 color=blue >
    <BR> <jsp:getProperty name="upFile" property="backNews" />

```

```

        </Font>
<BR><font size=2>上传的文件名字: <jsp:getProperty name="upFile" property="fileName"/>
        保存后的文件名字: <jsp:getProperty name="upFile" property="savedFileName"/>
<BR> <img src=image/<jsp:getProperty name="upFile" property="savedFileName"/>
        width=150 height=120>图像效果
    </img>
</FONT></CENTER>
</BODY></HTML>

```

HandleUpload. java

```

package myservlet.control;
import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleUpload extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
        try { Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login"); //获取用户登录时的 Javabean
        boolean ok=true;
        if(login==null)
        {
            ok=false;
            response.sendRedirect("login.jsp"); //重定向到登录页面
        }
        if(ok==true)
        {
            String logname=login.getLogname();
            uploadFileMethod(request, response, logname); //接受上传文件
        }
    }

    public void uploadFileMethod(HttpServletRequest request, HttpServletResponse response,
        String logname) throws ServletException, IOException
    {
        UploadFile upFile=new UploadFile();
    }
}

```

```

String backNews="";
try{ HttpSession session=request.getSession(true);
    request.setAttribute("upFile",upFile);
    String tempFileName=(String)session.getId();
    File f1=new File(tempFileName);
    FileOutputStream o=new FileOutputStream(f1);
    InputStream in=request.getInputStream();
    byte b[]=new byte[10000];
    int n;
    while( (n=in.read(b))!=-1)
    {    o.write(b,0,n);
    }
    o.close();
    in.close();
    RandomAccessFile random=new RandomAccessFile(f1,"r");
    int second=1;    //读出 f1 的第 2 行，析取出上传文件的名字：
    String secondLine=null;
    while(second<=2)
    { secondLine=random.readLine();
      second++;
    }
    //获取第 2 行中目录符号'\' 最后出现的位置：
    int position=secondLine.lastIndexOf('\\');
    //截取文件名：
    String fileName=secondLine.substring(position+1,secondLine.length()-1);
    byte cc[]=fileName.getBytes("ISO-8859-1");
    fileName=new String(cc);
    fileName=fileName.replaceAll(" ", "");
    //文件是否由字母或数字组成判断名字
    String checkedStr=fileName.substring(0,fileName.indexOf("."));
    boolean isLetterOrDigit=true;
    for(int i=0;i<checkedStr.length();i++)
    { char c=checkedStr.charAt(i);
      if(!((c<='z' &&c>='a') || (c<='Z' &&c>='A') || (c<='9' &&c>='0'))))
      { isLetterOrDigit=false;
        break;
      }
    }
    if(isLetterOrDigit==false)

```

```

{ response.sendRedirect("upload.jsp"); //重定向到 upload.jsp 页面
}

//保存文件名是上传文件名加会员名为前缀:
String savedFileName=logname.concat(fileName);
random.seek(0);
long forthEndPosition=0; //获取第 4 行回车符号的位置
int forth=1;
while((n=random.readByte())!=-1&&(forth<=4))
    { if(n=='\n')
        { forthEndPosition=random.getFilePointer();
          forth++;
        }
    }

//根据客户上传文件的名字, 将该文件存入磁盘:
File dir=new File("D:/apache-tomcat-5.5.20/webapps/ch10/image");
dir.mkdir();
//首先删除用户曾上传过的图像文件:
File file[]=dir.listFiles();
for(int k=0;k<file.length;k++)
{ if(file[k].getName().startsWith(logname))
    file[k].delete();
}

File savingFile= new File(dir,savedFileName); //需要新保存的上传文件
RandomAccessFile random2=new RandomAccessFile(savingFile,"rw");
random.seek(random.length());
long endPosition=random.getFilePointer();
long mark=endPosition;
int j=1;
//确定出文件 f1 中包含客户上传的文件的内容的最后位置, 即倒数第 6 行:
while((mark>=0)&&(j<=6))
{ mark--;
  random.seek(mark);
  n=random.readByte();
  if(n=='\n')
  { endPosition=random.getFilePointer();
    j++;
  }
}

random.seek(forthEndPosition);

```

```

        long startPoint=random.getFilePointer();
        while(startPoint<endPosition-1)
        {
            n=random.readByte();
            random2.write(n);
            startPoint=random.getFilePointer();
        }
        random2.close();
        random.close();
        String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=Friend";
        Connection con=DriverManager.getConnection(uri,"sa","sa");
        Statement sql=con.createStatement();
        ResultSet rs=sql.executeQuery("SELECT * FROM member where logname =
                                     '"+logname+"'");

        if(rs.next())
        {
            if(isLetterOrDigit)
            {
                int mm=sql.executeUpdate("UPDATE member SET pic= '"+savedFileName+
                                         "' where logname = '"+logname+"'");

                if(mm!=0)
                {
                    backNews=fileName+"成功上传";
                    upFile.setFileName(fileName);
                    upFile.setSavedFileName(savedFileName);
                    upFile.setBackNews(backNews);
                }
            }
        }
        con.close();
        fl.delete();
    }
    catch(Exception exp)
    {
        backNews=""+"exp;
        upFile.setBackNews(backNews);
    }
    try{
        RequestDispatcher dispatcher=
            request.getRequestDispatcher("showUploadMess.jsp");//转发
        dispatcher.forward(request, response);
    }
    catch(Exception ee){}
}

public void doGet(HttpServletRequest request,HttpServletResponse response)

```

```

        throws ServletException, IOException
    {
        doPost(request, response);
    }
}

```

MemberInform.java

```

package mybean.data;

public class MemberInform
{
    String logname="", advertiseTitle="", email="",
        phone="", message="", pic, backNews="";

    public void setLogname(String name)
    {
        logname=name;
    }

    public String getLogname()
    {
        return logname;
    }

    public void setAdvertiseTitle(String s)
    {
        advertiseTitle=s;
    }

    public String getAdvertiseTitle()
    {
        return advertiseTitle;
    }

    public void setEmail(String em)
    {
        email=em;
    }

    public String getEmail()
    {
        return email;
    }

    public void setPhone(String ph)
    {
        phone=ph;
    }

    public String getPhone()
    {
        return phone;
    }

    public String getMessage()
    {
        return message;
    }

    public void setMessage(String m)
    {
        message=m;
    }
}

```

```

public String getPic()
{ return pic;
}

public void setPic(String s)
{ pic=s;
}

public String getBackNews()
{ return backNews;
}

public void setBackNews(String s)
{ backNews=s;
}
}

```

ShowByPage.java

```

package mybean.data;
import com.sun.rowset.*;
public class ShowByPage
{   CachedRowSetImpl rowSet=null;           //存储表中全部记录的行集对象
    int pageSize=10;                        //每页显示的记录数
    int pageAllCount=0;                     //分页后的总页数
    int showPage=1   ;                      //当前显示页
    StringBuffer presentPageResult;        //显示当前页内容
    public void setRowSet(CachedRowSetImpl set)
    {   rowSet=set;
    }
    public CachedRowSetImpl getRowSet()
    {   return rowSet;
    }
    public void setPageSize(int size)
    {   pageSize=size;
    }
    public int getPageSize()
    {   return pageSize;
    }
    public int getPageAllCount()
    {   return pageAllCount;
    }
}

```

```

public void setPageAllCount(int n)
{
    pageAllCount=n;
}

public void setShowPage(int n)
{
    showPage=n;
}

public int getShowPage()
{
    return showPage;
}

public void setPresentPageResult(StringBuffer p)
{
    presentPageResult=p;
}

public StringBuffer getPresentPageResult()
{
    return presentPageResult;
}
}

```

choiceLookType. jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<BODY bgcolor=cyan><center><Font size=3>
    <table>
        <FORM action="helpShowMember" method="post" name="form">
            <BR>分页显示全体会员
            <INPUT type="hidden" value="1" name="showPage" size=6>
            <INPUT type="submit" value="显示" name="submit">
        </Form>
        <FORM action="helpShowMember" method="get" name="form">
            <br>输入要查找的会员名:
            <INPUT type="text" name="logname" size=6>
            <INPUT type="submit" value="显示" name="submit">
        </FORM></center>
    </BODY></HTML>

```

showAllMember. jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="mybean.data.ShowByPage" %>
<jsp:useBean id="show" type="mybean.data.ShowByPage" scope="session"/>
<HTML><%@ include file="head.txt" %></HEAD>

```

```

<Body><center>
<P>显示会员信息.
<BR>每页最多显示<jsp:getProperty name="show" property="pageSize" />条信息
<BR>当前显示第<Font color=blue>
    <jsp:getProperty name="show" property="showPage" />
</Font>页,共有
<Font color=blue><jsp:getProperty name="show" property="pageAllCount" />
</Font>页。
<BR>当前显示的内容是:
<table border=2>
<tr>
    <th>会员名</th><th>广告标题</th><th>电话</th>
    <th>email</th><th>广告词</th><th>广告照片</th>
</tr>
<jsp:getProperty name="show" property="presentPageResult" />
</table>
<BR>单击“前一页”或“下一页”按钮查看信息
<Table>
<tr><td><FORM action="helpShowMember" method=post>
    <Input type=hidden name="showPage" value="<%=show.getShowPage()-1 %>" >
    <Input type=submit name="g" value="前一页">
</FORM>
</td>
<td><FORM action="helpShowMember" method=post>
    <Input type=hidden name="showPage" value="<%=show.getShowPage()+1 %>" >
    <Input type=submit name="g" value="后一页">
</Form>
</td>
<td> <FORM action="helpShowMember" method=post>
    输入页码: <Input type=text name="showPage" size=5 >
    <Input type=submit name="g" value="提交">
</FORM>
</td>
</tr>
</Table>
</Center>
</BODY></HTML>

```

showLookedMember. jsp

```

<%@ page contentType="text/html; charset=GB2312" %>

```

```

<%@ page import="mybean.data.MemberInform" %>
<jsp:useBean id="inform" type="mybean.data.MemberInform" scope="request"/>
<Center>
<HTML><BODY bgcolor=pink><%@ include file="head.txt" %></HEAD>
<table border=2>
  <tr>
    <th>会员名</th><th>广告标题</th><th>电话</th>
    <th>email</th><th>广告词</th><th>广告照片</th>
  </tr>
  <tr>
    <td><jsp:getProperty name="inform" property="logname" /></td>
    <td><jsp:getProperty name="inform" property="advertiseTitle" /></td>
    <td><jsp:getProperty name="inform" property="phone" /></td>
    <td><jsp:getProperty name="inform" property="email" /></td>
    <td><jsp:getProperty name="inform" property="message" /></td>
    <td><img src=image/<jsp:getProperty name="inform" property="pic"/> width=50 height=50>
      </img></td>
  </tr>
</table>
</Center>
</BODY></HTML>

```

HandleDatabase.java

```

package myservlet.control;
import mybean.data.*;
import com.sun.rowset.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class HandleDatabase extends HttpServlet
{
    CachedRowSetImpl rowSet=null;

    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
        try {
            Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
    }

    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException

```

```

{
    HttpSession session=request.getSession(true);
    Login login=(Login)session.getAttribute("login"); //获取用户登录时的 Javabean
    boolean ok=true;
    if(login==null)
    { ok=false;
      response.sendRedirect("login.jsp");          //重定向到登录页面
    }
    if(ok==true)
    { continueDoPost(request, response);
    }
}

public void continueDoPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{
    HttpSession session=request.getSession(true);
    Connection con=null;
    StringBuffer presentPageResult=new StringBuffer();
    ShowByPage showBean=null;
    try{ showBean=(ShowByPage)session.getAttribute("show");
        if(showBean==null)
        { showBean=new ShowByPage(); //创建 Javabean 对象
          session.setAttribute("show", showBean);
        }
    }
    catch(Exception exp)
    { showBean=new ShowByPage();
      session.setAttribute("show", showBean);
    }

    showBean.setPageSize(3); //每页显示 3 条记录
    int showPage=Integer.parseInt(request.getParameter("showPage"));
    if(showPage>showBean.getPageAllCount())
        showPage=1;
    if(showPage<=0)
        showPage=showBean.getPageAllCount();
    showBean.setShowPage(showPage);
    int pageSize=showBean.getPageSize();
    String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName= Friend";
    try{ con=DriverManager.getConnection(uri,"sa","sa");
        Statement sql=con.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,
                                           ResultSet.CONCUR_READ_ONLY);
    }
}

```

```

        ResultSet rs=sql.executeQuery("SELECT * FROM member");
        rowSet=new CachedRowSetImpl(); //创建行集对象
        rowSet.populate(rs);
        con.close(); //关闭连接
        showBean.setRowSet(rowSet); //数据存储在 showBean 中
        rowSet.last();
        int m=rowSet.getRow(); //总行数
        int n=pageSize;
        int pageAllCount=((m%n)==0)?(m/n):(m/n+1);
        showBean.setPageAllCount(pageAllCount); //数据存储在 showBean 中
        presentPageResult=show(showPage, pageSize, rowSet);
        showBean.setPresentPageResult(presentPageResult);
    }
    catch(SQLException exp) {}
    RequestDispatcher dispatcher=
    request.getRequestDispatcher("showAllMember.jsp"); //转发
    dispatcher.forward(request, response);
}

public StringBuffer show(int page,int pageSize,CachedRowSetImpl rowSet)
{
    StringBuffer str=new StringBuffer();
    try{ rowSet.absolute((page-1)*pageSize+1);
        for(int i=1;i<=pageSize;i++)
        {
            str.append("<tr>");
            str.append("<td>"+rowSet.getString(1)+"</td>");
            str.append("<td>"+rowSet.getString(3)+"</td>");
            str.append("<td>"+rowSet.getString(4)+"</td>");
            str.append("<td>"+rowSet.getString(5)+"</td>");
            str.append("<td>"+rowSet.getString(6)+"</td>");
            String s="<img src=image/"+rowSet.getString(7)+" width=100 height=100/>";
            str.append("<td>"+s+"</td>");
            str.append("</tr>");
            rowSet.next();
        }
    }
    catch(SQLException exp) {}
    return str;
}

public void doGet(HttpServletRequest request,HttpServletResponse response)
    throws ServletException, IOException

```

```

{
    HttpSession session=request.getSession(true);
    Login login=(Login)session.getAttribute("login"); //获取用户登录时的 Javabean
    boolean ok=true;
    if(login==null)
    { ok=false;
      response.sendRedirect("login.jsp");          //重定向到登录页面
    }
    if(ok==true)
    { continueDoGet(request, response);
    }
}

public void continueDoGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{
    MemberInform inform=new MemberInform();
    request.setAttribute("inform", inform);
    String logname=request.getParameter("logname");
    Connection con=null;
    String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName= Friend";
    try{ con=DriverManager.getConnection(uri, "sa", "sa");
        Statement sql=con.createStatement();
        ResultSet rs=
        sql.executeQuery("SELECT * FROM member where logname = '"+logname+"'");
        if(rs.next())
        {
            inform.setLogname(rs.getString(1));
            inform.setAdvertiseTitle(rs.getString(3));
            inform.setPhone(rs.getString(4));
            inform.setEmail(rs.getString(5));
            inform.setMessage(rs.getString(6));
            inform.setPic(rs.getString(7));
            inform.setBackNews("查询到的会员信息: ");
        }
        con.close();
        RequestDispatcher dispatcher=
        request.getRequestDispatcher("showLookedMember.jsp");//转发
        dispatcher.forward(request, response);
    }
    catch(SQLException exp)
    {
        inform.setBackNews(""+exp);System.out.println("ok1"+exp);
    }
}

```

```

    }
}

```

Password.java

```

package mybean.data;

public class Password
{
    String  oldPassword,newPassword,backNews="";

    public void setNewPassword(String pw)
    {
        newPassword=pw;
    }

    public String getnewPassword()
    {return newPassword;
    }

    public void setOldPassword(String pw)
    {
        oldPassword=pw;
    }

    public String getOldPassword()
    {return oldPassword;
    }

    public String getBackNews()
    {
        return backNews;
    }

    public void setBackNews(String s)
    {
        backNews=s;
    }
}

```

modifyPassword.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<BODY bgcolor=pink><Font size=2><CENTER>
<P>输入您的密码:
<FORM action="helpModifyPassword" Method="post">
<BR>当前密码:<Input type=text name="oldPassword">
<BR>新密码: <Input type=password name="newPassword">
<BR><Input type=submit name="g" value="提交">
</Form></CENTER>
</BODY></HTML>

```

showNewPasswor.jsp

```
<%@ page contentType="text/html;charset=GB2312" %>
<%@ page import="mybean.data.Password"%>
<jsp:useBean id="password" type="mybean.data.Password" scope="request" />
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<HTML><BODY bgcolor=yellow >
<CENTER>
<jsp:getProperty name="password" property="backNews" />
<BR>您的新密码: <jsp:getProperty name="password" property="newPassword" />
<BR>您的旧密码: <jsp:getProperty name="password" property="oldPassword" />
</FONT></CENTER>
</BODY></HTML>
```

HandlePassword.java

```
package myservlet.control;
import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HandlePassword extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
        try {
            Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
        }
        catch(Exception e) {}
    }
    public void doPost(HttpServletRequest request,HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login");    //获取用户登录时的 Javabean
        boolean ok=true;
        if(login==null)
        {
            ok=false;
            response.sendRedirect("login.jsp");    //重定向到登录页面
        }
        if(ok==true)
        {
            continueWork(request,response);
        }
    }
}
```

```

    }
}

public void continueWork(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{
    HttpSession session=request.getSession(true);
    Login login=(Login)session.getAttribute("login");
    Connection con=null;
    String logname=login.getLogname();
    Password passwordBean=new Password();
    request.setAttribute("password",passwordBean);
    String oldPassword=request.getParameter("oldPassword");
    String newPassword=request.getParameter("newPassword");
    String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName= Friend";
    try{ con=DriverManager.getConnection(uri,"sa","sa");
        Statement sql=con.createStatement();
        ResultSet rs=
            sql.executeQuery("SELECT * FROM member where logname=' "+
                logname+"' And password=' "+oldPassword+"' ");
        if(rs.next())
        { String updateString="UPDATE member SET password=' "+
            newPassword+"' where logname=' "+logname+"' ";
            int m=sql.executeUpdate(updateString);
            if(m==1)
            { passwordBean.setBackNews("密码更新成功");
                passwordBean.setOldPassword(oldPassword);
                passwordBean.setNewPassword(newPassword);
            }
            else
            { passwordBean.setBackNews("密码更新失败");
            }
        }
        else
        { passwordBean.setBackNews("密码更新失败");
        }
    }
    catch(SQLException exp)
    { passwordBean.setBackNews("密码更新失败"+exp);
    }

    RequestDispatcher dispatcher=

```

```

        request.getRequestDispatcher("showNewPassword.jsp");//转发
        dispatcher.forward(request, response);
    }
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        doPost(request, response);
    }
}

```

ModifyMessage.java

```

package mybean.data;

public class ModifyMessage
{
    String logname="", newAdvertiseTitle="", newEmail="", newPhone="",
        newMessage="", backNews;

    public void setLogname(String name)
    {
        logname=name;
    }

    public String getLogname()
    {
        return logname;
    }

    public void setNewAdvertiseTitle(String s)
    {
        newAdvertiseTitle=s;
    }

    public String getNewAdvertiseTitle()
    {
        return newAdvertiseTitle;
    }

    public void setNewEmail(String em)
    {
        newEmail=em;
    }

    public String getNewEmail()
    {
        return newEmail;
    }

    public void setNewPhone(String ph)
    {
        newPhone=ph;
    }

    public String getNewPhone()
    {
        return newPhone;
    }

    public String getNewMessage()

```

```

        { return newMessage;
        }
    public void setNewMessage(String m)
    { newMessage=m;
    }
    public String getBackNews()
    { return backNews;
    }
    public void setBackNews(String s)
    { backNews=s;
    }
}

```

choiceModifyMess.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<Center>
<HTML><BODY bgcolor=pink><%@ include file="head.txt" %></HEAD>
<FORM action="helpGetOldMess" name=form>
    <INPUT type=submit value="我要修改注册信息">
</FORM>
<FORM action="index.jsp" name=form>
    <INPUT type=submit value="我不想修改了">
</FORM>
</Center>
</BODY></HTML>

```

inputModifyMess.jsp

```

<%@ page contentType="text/html;charset=GB2312" %>
<HTML><HEAD><%@ include file="head.txt" %></HEAD>
<%@ page import="mybean.data.Register"%>
<jsp:useBean id="register" type="mybean.data.Register" scope="request" />
<HTML><BODY bgcolor=pink><CENTER>
<P>
<Font color=blue size=4>
    以下是您(<jsp:getProperty name="register" property="logname"/>)曾注册的信息,
    您可以修改这些信息。
</Font>
<Font size=2>
<FORM action="helpModifyMess" name=form>

```

```

<table>
  <tr><td>广告标题:</td><td><input type="text" name="newAdvertiseTitle"
    value=<jsp:getProperty name="register" property="advertiseTitle" /> ></td></tr>
  <tr><td>联系电话:</td><td><input type="text" name="newPhone"
    value=<jsp:getProperty name="register" property="phone" /> ></td></tr>
  <tr><td>电子邮件:</td><td><input type="text" name="newEmail"
    value=<jsp:getProperty name="register" property="email" /> ></td></tr>
</table>
<table>
  <tr><td>广告词: </td></tr>
  <tr>
    <td><textarea name="newMessage" Rows="6" Cols="30">
      <jsp:getProperty name="register" property="message"/>
    </textarea></td>
  </tr>
  <tr><td><input type="submit" name="g" value="提交修改"></td></tr>
  <tr><td><input type="reset" value="重置"></td> </tr>
</table><font></center>
</body></html>

```

showModifyMess.jsp

```

<%@ page contentType="text/html; charset=GB2312" %>
<%@ page import="mybean.data.ModifyMessage"%>
<jsp:useBean id="modify" type="mybean.data.ModifyMessage" scope="request"/>
<html><head><%@ include file="head.txt" %></head>
<html><body bgcolor=yellow ><font size=4>
<center>
  <jsp:getProperty name="modify" property="backNews"/>
  <br>您修改信息如下:
  <br>新广告标题:<jsp:getProperty name="modify" property="newAdvertiseTitle"/>
  <br>新电话:<jsp:getProperty name="modify" property="newPhone"/>
  <br>新 email:<jsp:getProperty name="modify" property="newEmail"/>
  <br>新广告词:<jsp:getProperty name="modify" property="newMessage"/>
</font></center>
</body></html>

```

GetOldMess.java

```
package myservlet.control;
```

```

import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class GetOldMess extends HttpServlet
{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
        try { Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
            }
        catch(Exception e) {}
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login");//获取用户登录时的 Javabean
        boolean ok=true;
        if(login==null)
        {
            ok=false;
            response.sendRedirect("login.jsp");           //重定向到登录页面
        }
        if(ok==true)
        {
            continueWork(request, response);
        }
    }

    public void continueWork(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login");
        Connection con=null;
        String logname=login.getLogname();
        Register register=new Register();
        request.setAttribute("register", register);
        String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName= Friend";
        try{ con=DriverManager.getConnection(uri, "sa", "sa");
            Statement sql=con.createStatement();
            ResultSet rs=
            sql.executeQuery("SELECT * FROM member where logname='"+logname+"'");
            if(rs.next())

```

```

        { register.setLogname(rs.getString(1));
          register.setAdvertiseTitle(rs.getString(3));
          register.setPhone(rs.getString(4));
          register.setEmail(rs.getString(5));
          register.setMessage(rs.getString(6));
          register.setBackNews("您原来的注册信息:");
        }
      }
    }
    catch(SQLException exp)
    { register.setBackNews(""+exp);
    }

    RequestDispatcher dispatcher=
    request.getRequestDispatcher("inputModifyMess.jsp");//转发
    dispatcher.forward(request, response);
  }

  public void doGet(HttpServletRequest request, HttpServletResponse response)
      throws ServletException, IOException
  { doPost(request, response);
  }
}

```

HandleModifyMess.java

```

package myservlet.control;
import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HandleModifyMess extends HttpServlet
{ public void init(ServletConfig config) throws ServletException
  { super.init(config);
    try { Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
    }
    catch(Exception e) {}
  }

  public String handleString(String s)
  { try{ byte bb[]=s.getBytes("iso-8859-1");
    s=new String(bb);
  }
  }
}

```

```

        catch(Exception ee) {}
        return s;
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login");//获取用户登录时的 Javabean
        boolean ok=true;
        if(login==null)
        {
            ok=false;
            response.sendRedirect("login.jsp");           //重定向到登录页面
        }
        if(ok==true)
        {
            continueDoPost(request, response);
        }
    }

    public void continueDoPost(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login");
        String logname=login.getLogname();
        Connection con;
        PreparedStatement sql;
        ModifyMessage modify=new ModifyMessage();
        request.setAttribute("modify", modify);
        String advertiseTitle=request.getParameter("newAdvertiseTitle").trim(),
        email=request.getParameter("newEmail").trim(),
        phone=request.getParameter("newPhone").trim(),
        message=request.getParameter("newMessage");
        String uri="jdbc:sqlserver://127.0.0.1:1433;DatabaseName=Friend";
        String backNews="";
        try{ con=DriverManager.getConnection(uri, "sa", "sa");
            String updateCondition=
            "UPDATE member SET advertiseTitle=?, phone=?, email=?, message=? WHERE logname=?";
            sql=con.prepareStatement(updateCondition);
            sql.setString(1, handleString(advertiseTitle));
            sql.setString(2, phone);
            sql.setString(3, handleString(email));

```

```

        sql.setString(4, handleString(message));
        sql.setString(5, logname);
        int m=sql.executeUpdate();
        if(m==1)
        { backNews="修改信息成功";
          modify.setBackNews(backNews);
          modify.setLogname(logname);
          modify.setNewAdvertiseTitle (handleString(advertiseTitle));
          modify.setNewEmail(handleString(email));
          modify.setNewPhone(phone);
          modify.setNewMessage(handleString(message));
        }
        else
        { backNews="信息填写不完整或信息中有非法字符";
          modify.setBackNews(backNews);
        }
        con.close();
    }
    catch(SQLException exp)
    { modify.setBackNews(""+exp);
    }

    RequestDispatcher dispatcher=
    request.getRequestDispatcher("showModifyMess.jsp");//转发
    dispatcher.forward(request, response);
}

public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
{ doPost(request, response);
}
}

```

HandleExit.java

```

package myservlet.control;
import mybean.data.*;
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HandleExit extends HttpServlet

```

```

{
    public void init(ServletConfig config) throws ServletException
    {
        super.init(config);
    }

    public String handleString(String s)
    {
        try{ byte bb[]=s.getBytes("iso-8859-1");
            s=new String(bb);
        }
        catch(Exception ee){}
        return s;
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        Login login=(Login)session.getAttribute("login"); //获取用户登录时的 Javabeen
        boolean ok=true;
        if(login==null)
        {
            ok=false;
            response.sendRedirect("login.jsp"); //重定向到登录页面
        }
        if(ok==true)
        {
            continueDoPost(request, response);
        }
    }

    public void continueDoPost(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession session=request.getSession(true);
        session.invalidate(); //销毁用户的 session 对象
        response.sendRedirect("index.jsp"); //返回主页
    }

    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        doPost(request, response);
    }
}

```