

<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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（源码网：<http://www.codepub.com/>）

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 Javabeen、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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张跃平，现任大连交通大学讲师。已编写和参编出版《Visual FoxPro 课程设计》、《Java 2 实用教程》、《JSP 实用教程》3 部教材。

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）。

编者 2007 年 05 月

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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

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

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.circlLength()%>
<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>
        <td><Input type="hidden" name="imageNumber" value="<%=play.getImageNumber()-1%>">
    </td></tr>
</FORM>
    <FORM action="" method=post>
        <td><Input type=submit name="ok" value="下一张"></td>
        <td><Input type="hidden" name="imageNumber" value="<%=play.getImageNumber()+1 %>">
    </td></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;
        }
    }

    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);
}
}

```

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 dbName="";           //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)
    {
        dbName=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); //获取字段的名字
                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>
```

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

例子 10

link0oracle.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 rsl=metadata.getColumns(null,null,tableName,null);
        int 字段个数=0;
        queryResult.append("<tr>");
        while(rsl.next())
        {
            字段个数++;
            String columnName=rsl.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(使用默认的 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>

```

GetSqare.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);
    }
}

```

计算一元二次方程的根

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>
</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); //获取字段的名字
        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>");

```

```

        }
        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)<sup>2</sup>=
      A<sup>2</sup>+2AB+B<sup>2</sup>
    </formula>
    <formula>
      立方和公式:
      (A+B)<sup>3</sup>=
      A<sup>3</sup>+3A<sup>2</sup>B+3B<sup>2</sup>A<sup>2</sup>+A<sup>3</sup>
    </formula>
  </math>
  <chemistry>
    几个化合物分子式:
    <molecular>
      水的分子式:
      H<low>2</low>O
    </molecular>
    <molecular>
      二氧化硫的分子式:
      SO<low>2</low>
    </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.getSuccess()==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 Javabea
        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称, 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 Javabea
    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 Javabea
        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 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);
        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);
    }
}

```