



# python

```
import turtle
turtle.setup(650,350,200,200)
turtle.penup()
turtle.fd(-250)
turtle.pendown()
turtle.pensize(25)
turtle.color("purple")
turtle.setheading(-40)
for i in range(4):
    turtle.circle(40, 80)
    turtle.circle(-40, 80)
    turtle.circle(40, 80/2)
    turtle.fd(40)
    turtle.circle(16, 180)
    turtle.fd(40 * 2/3)
```

Python语言程序设计

# 模块4: PyInstaller库的使用



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# PyInstaller库基本介绍

# PyInstaller库概述

将.py源代码转换成无需源代码的可执行文件



# PyInstaller库概述

## PyInstaller库是第三方库

- 官方网站 : <http://www.pyinstaller.org>
- 第三方库 : 使用前需要额外安装
- 安装第三方库需要使用pip工具

# PyInstaller库的安装

# (cmd命令行) pip install pyinstaller

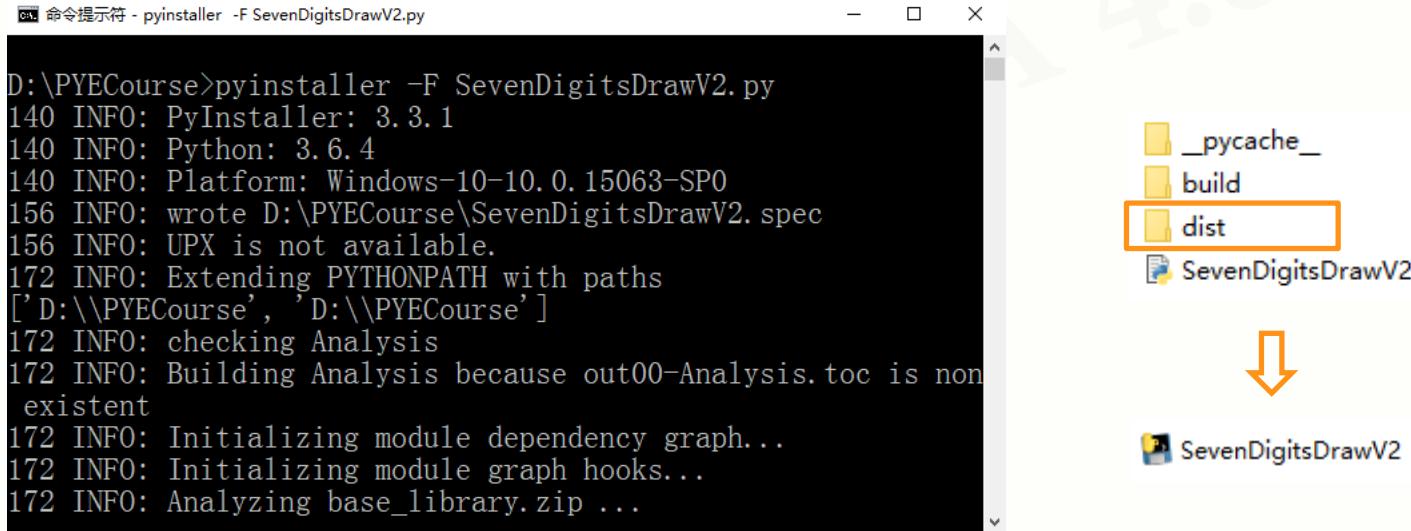
```
C:\Users\Tian Song>pip install pyinstaller
Collecting pyinstaller
  Downloading PyInstaller-3.3.1.tar.gz (3.5MB)
    0% | 10kB 93kB/s eta 0:0
    0% | 20kB 65kB/s eta 0:
    0% | 30kB 78kB/s eta 0:
    1% | 40kB 49kB/s eta 0:
    1% | 51kB 61kB/s eta 0:
    1% | 61kB 74kB/s eta 0:
    2% | 71kB 86kB/s eta 0:
    2% | 81kB 98kB/s eta 0:
    2% | 92kB 111kB/s eta 0:
    2% | 102kB 94kB/s eta 0:
    3% | 112kB 104kB/s eta
```



# PyInstaller库使用说明

# 简单的使用

(cmd命令行) **pyinstaller -F <文件名.py>**



命令提示符 - pyinstaller -F SevenDigitsDrawV2.py

```
D:\PYECourse>pyinstaller -F SevenDigitsDrawV2.py
140 INFO: PyInstaller: 3.3.1
140 INFO: Python: 3.6.4
140 INFO: Platform: Windows-10-10.0.15063-SP0
156 INFO: wrote D:\PYECourse\SevenDigitsDrawV2.spec
156 INFO: UPX is not available.
172 INFO: Extending PYTHONPATH with paths
['D:\\PYECourse', 'D:\\PYECourse']
172 INFO: checking Analysis
172 INFO: Building Analysis because out00-Analysis.toc is non
existent
172 INFO: Initializing module dependency graph...
172 INFO: Initializing module graph hooks...
172 INFO: Analyzing base_library.zip ...
```

The image shows a Windows Command Prompt window on the left and a file structure diagram on the right. The Command Prompt window displays the command 'pyinstaller -F SevenDigitsDrawV2.py' and its execution log. The file structure diagram shows a directory with subfolders '\_pycache\_', 'build', and 'dist'. The 'dist' folder is highlighted with an orange border. An orange arrow points from the 'dist' folder to a file icon labeled 'SevenDigitsDrawV2' at the bottom, indicating the resulting executable file.

# PyInstaller库常用参数

| 参数             | 描述                  |
|----------------|---------------------|
| -h             | 查看帮助                |
| --clean        | 清理打包过程中的临时文件        |
| -D, --onedir   | 默认值，生成dist文件夹       |
| -F, --onefile  | 在dist文件夹中只生成独立的打包文件 |
| -i <图标文件名.ico> | 指定打包程序使用的图标(icon)文件 |

# 使用举例

**pyinstaller –i curve.ico –F SevenDigitsDrawV2.py**

