

书籍

使用  $\text{\LaTeX}$  排版

一种良好的风格

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# 开头说的话

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## 章节开始

---

```
1#!/usr/bin/env python3
2# -*- coding: utf-8 -*-
3
4#####
5# 序言部分
6#import math
7#import random
```

---

## test

---

```
1#####
2# 程序正式开始
3class FirstClass:
4    def setdata(self,value):
5        self.data=value#self is the instance
6    def display(self):
7        print(self.data)#self.data
```

---

## test

---

```
1 x = FirstClass()
2 y = FirstClass()
3 x.setdata("King Arthur")#self is x
4 y.setdata(3.1415926)
5 x.display()
6 y.display()
7
8 class SecondClass(FirstClass):
9     def display(self):
10         print('Current value = "%s"' % self.data)
11
12 z = SecondClass()
13 z.setdata(42)
14 z.display()
15
16 class ThirdClass(SecondClass):
17     def __init__(self,value):
18         self.data=value
19     def __add__(self,other):# self+ other
20         return ThirdClass(self.data+other)
21     def __str__(self):#print(self)
22         return '[ThirdClass:%s]' % self.data#ThirdClass
23     def mul(self,other):
24         self.data *= other
```

---

# test

---

```
1 a = ThirdClass('abc')
2 a.display()
3 b = a + 'xyz'
4 b.display()
5
6 #if __name__ == '__main__': #if run as script
```

---

## 运行结果

King Arthur

3.1415926

Current value = "42"

Current value = "abc"

Current value = "abcxyz"