**Python编程**

# 数据类型：数字 字符串 列表 元组 字典

counter = a1 = 100 # 赋值整型变量  
name = "John"  
print (counter)  
print (a1)  
print (name[1:5])  
del a1 #删除对象引用  
a1=34  
print (a1)  
------------------------------------------  
list=["111","345","asd"]  
print (list[2]\*2+"链接")  
list=["333333",555]  
list.append('caifengli')  
list.insert(2,'dong')  
list.remove('caifengli')  
print (list[0:4])  
----------------------------------------------  
trop1=("qw",123,"33","ddff") #元组中的元素值是不允许修改  
trop2=('2','dd')  
newtrop=trop1+trop2  
print (newtrop[0:5])  
--------------------------------------------------

back={"1":"ee",('2'):"uu",'1':'dong'} #字典的key-value重复赋值，只会记住最后一个  
print(back["1"])  
print(back['2'])  
print (back.keys()) #输出所有key  
print (back.values()) #输出所有values

# 数据结构

列表 元组 字典 set

# 条件语句 flag=False;a=True if flag: print("你好") elif a: print("我好") else: print("大家好")

# 循环语句

count=0  
while count<7:  
 count +=1  
 if count==4:  
 continue #跳出本次循环，不打印4  
 if count==6:  
 break #跳出整个循环，剩余的语句不执行了  
 print(count)  
-----------------------------------------------------------  
count1=0  
while count1< 7:  
 count1 += 1  
 print(count1)  
else:  
 print ("大于等于7")  
-----------------------------------------------------------------  
 fruits=['aa','bb1','cc','dd']  
 for index in range(len(fruits)):  
 if '1'in fruits[index]:  
 print(fruits[index])  
 else:  
 print("水果已经卖完 ！")

# Pycharm错误总结

错误NameError: name 'xxx' is not defined总结

* [情况一：要加双引号（" "）或者（' '）而没加](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23___6" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况二：字符缩进格式的问题](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23_9" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况三：`if \_\_name\_\_=='\_\_main\_\_' :` 没有和`class类`进行对齐](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23if___name____main____class_45" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况四：NameError: name 'file' is not defined](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23NameError_name_file_is_not_defined_65" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况五：NameError: name '模块' is not defined](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23NameError_name__is_not_defined_85" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况六：NameError: name '`reload`' is not defined](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23NameError_name_reload_is_not_defined_103" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况七：全局变量的问题](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23_137" \t "https://zhuanlan.zhihu.com/p/_blank)
* [情况八：两个.py文件的函数或类调用问题](https://link.zhihu.com/?target=https://blog.csdn.net/ywsydwsbn/article/details/105601833%23py_184" \t "https://zhuanlan.zhihu.com/p/_blank)

pip install方式会将第三方库装在C盘

# 输出小数

name=input()

m=float(name)

print('%.2f'%m)

b=float(input())

c=int(b)

print(type(c))

b=int(name,16)

# 格式化输出

a=input()

print(a.lower())

print(a.upper())

print(a.title())

# 参数带\*

函数参数带一个\*，表示参数是元组，参数带2个\*，表示参数是字典

