dl4cvhw04

缩进是Python表示语句块的唯一方法，也就是没有大括号

标准Python风格是每个缩进级别是使用4个空格，永远不要使用Tab制表符！Python的代码原则是代码只包含空格！

```
In [5]: i = 0
        while i < 100:   # 笑100遍
            print("ha")
            i += 1
```

```
ha
ha
ha
ha
ha
ha
ha
ha
ha
ha
ha
ha
ha
ha
ha
```

生成器（Generator）

```
In [6]: # 从10倒数到0
        def countdown(x):
            while x >= 0:
                yield x
                x -= 1

        for i in countdown(10):
            print(i)
```

```
10
9
8
7
6
5
4
3
2
1
0
```

```
In [11]: # Python3.3以上可以return返回异常的说明
         def another_fibonacci(n):
             a = 0
             b = 1
             while b < n:
                 yield b
                 a, b = b, a + b
             return "No more ..."

         a = another_fibonacci(3)
         print(next(a))   # 1
         print(next(a))   # 1
         print(next(a))   # 2
         print(next(a))   # 抛出StopIteration异常并打印No more消息
```

```
1
1
2


---------------------------------------------------------------------------
StopIteration                             Traceback (most recent call last)
<ipython-input-11-d6586959e49d> in <module>()
     12 print(next(a))   # 1
     13 print(next(a))   # 2
---> 14 print(next(a))   # 抛出StopIteration异常并打印No more消息

StopIteration: No more ...
```