

找出输入年份的黑色星期五：

用法：

```
1 #-*-coding:utf-8-*-
2
3 # Python程序设计作业，找出黑色星期五
4
5 theYear = input ("Please input the year you want to konw : ")
6
7 theFirstDay = input ("What day is theFirstDay (1 , 2 , 3 , 4 , 5 , 6 , 7) : ")
8
9 day = 1      # 天数计数变量
10
11 bigMonth = [1 , 3 , 5 , 7 , 8 , 10 , 12]
12 smallMonth = [4 , 6 , 9 , 11]
13
14 if ((theYear % 4 == 0) and (theYear % 100 != 0)) or (theYear % 400 == 0) :
15     print u"这是闰年,二月份有29日"
16
17     for theMonth in range (1 , 13) :
18         if theMonth in bigMonth :
19             for theDay in range (1 , 32) :
20                 if (theDay == 13) and (day % 7 == 5) :
21                     print "The day is black Friday : %d / %d / %d " %(theYear , theMonth , theDay)
22                     day = day + 1  # 每轮一天即将天数计数变量加一
23             elif theMonth in smallMonth :
24                 for theDay in range (1 , 31) :
25                     if (theDay == 13) and (day % 7 == 5) :
26                         print "The day is black Friday : %d / %d / %d " %(theYear , theMonth , theDay)
27                         day = day + 1  # 每轮一天即将天数计数变量加一
28             else :
29                 for theDay in range (1 , 30) :
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30     if (theDay == 13) and (day % 7 == 5):
31         print "The day is black Friday : %d / %d / %d " %(theYear , theMonth , theDay)
32         day = day + 1  # 每轮一天即将天数计数变量加一
33
34 else :
35     print u"这是平年，二月份有28日"
36
37     for theMonth in range (1 , 13):
38         if theMonth in bigMonth :
39             for theDay in range (1 , 32):
40                 if (theDay == 13) and (day % 7 == 5):
41                     print "The day is black Friday : %d / %d / %d " %(theYear , theMonth , theDay)
42                     day = day + 1  # 每轮一天即将天数计数变量加一
43             elif theMonth in smallMonth :
44                 for theDay in range (1 , 31):
45                     if (theDay == 13) and (day % 7 == 5):
46                         print "The day is black Friday : %d / %d / %d " %(theYear , theMonth , theDay)
47                         day = day + 1  # 每轮一天即将天数计数变量加一
48         else :
49             for theDay in range (1 , 29):
50                 if (theDay == 13) and (day % 7 == 5):
51                     print "The day is black Friday : %d / %d / %d " %(theYear , theMonth , theDay)
52                 day = day + 1  # 每轮一天即将天数计数变量加一
```