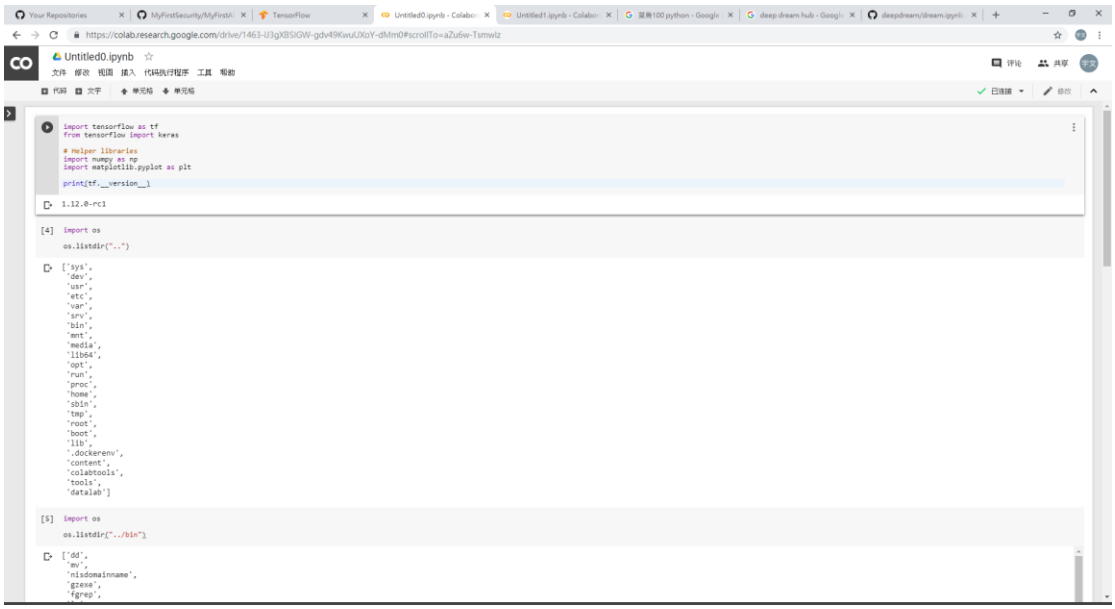


```
import tensorflow as tf
from tensorflow import keras

# Helper libraries
import numpy as np
import matplotlib.pyplot as plt

print(tf.__version__)
```

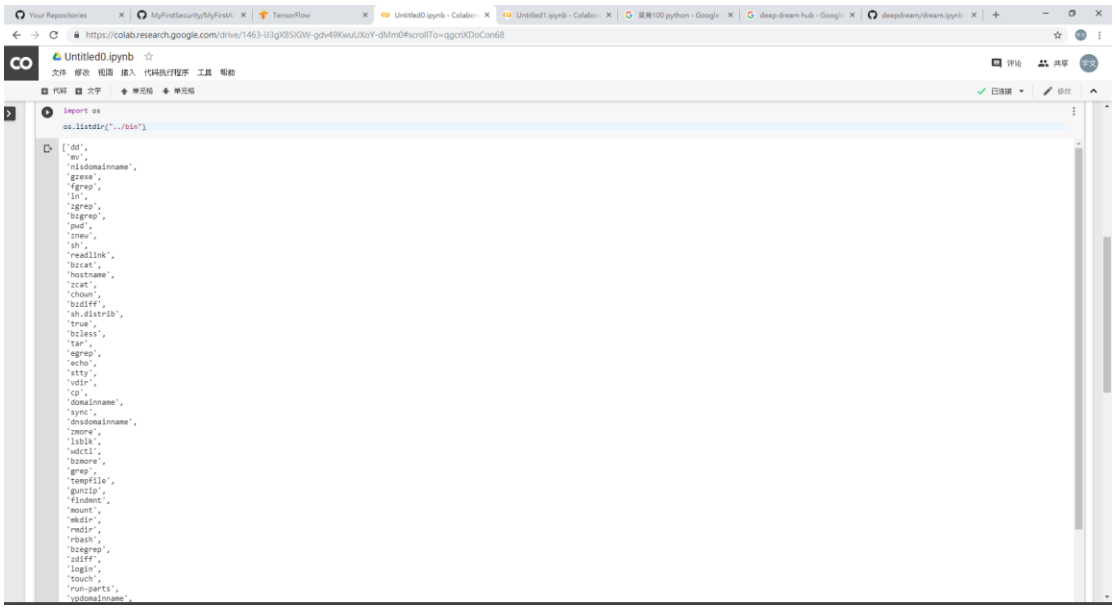
```
1.12.0-rc1
```

```
[4] import os

    os.listdir("..")
```

```
['sys',
 'dev',
 'usr',
 'etc',
 'var',
 'srv',
 'bin',
 'mnt',
 'media',
 'lib64',
 'opt',
 'run',
 'proc',
 'home',
 'sbin',
 'tmp',
 'root',
 'boot',
 'lib',
 '.dockerenv',
 'content',
 'colabtools',
 'tools',
 'datalab']
```

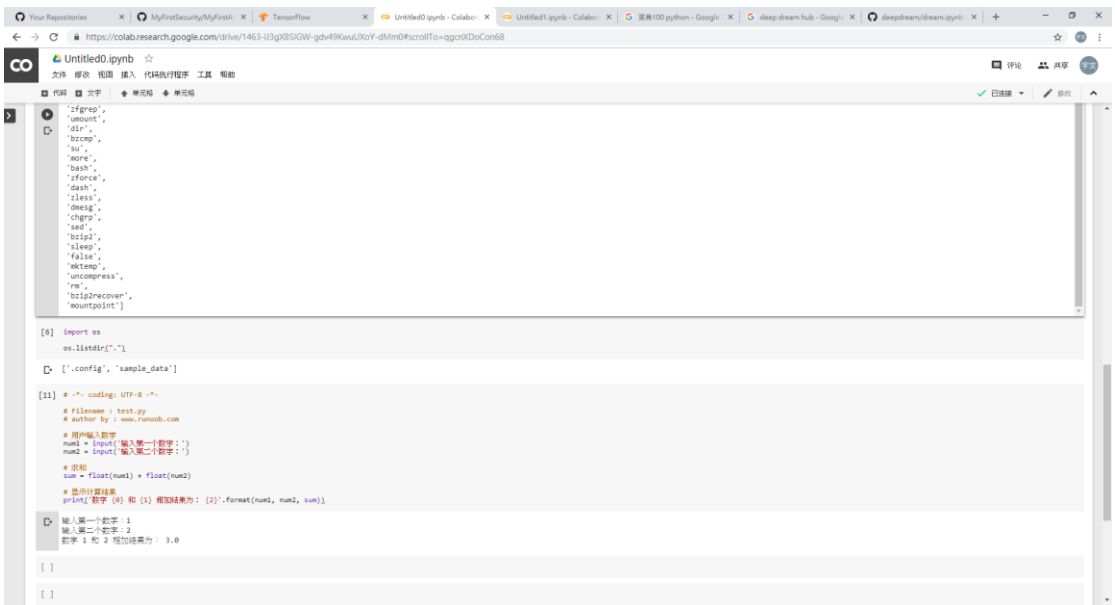
```
[5] import os

    os.listdir("../bin")
```

```
['dd',
 'mv',
 'nisdomainname',
 'gzexe',
 'fgrep',
```



```
import os
os.listdir("../bin")
```

```
['dd',
 'mv',
 'nisdomainname',
 'gzexe',
 'fgrep',
 'ln',
 'zgrep',
 'bzgrep',
 'pwd',
 'znew',
 'sh',
 'readlink',
 'bzcat',
 'hostname',
 'zcat',
 'chown',
 'bzdiff',
 'sh.distrib',
 'true',
 'bzless',
 'tar',
 'egrep',
 'echo',
 'stty',
 'vdir',
 'cp',
 'domainname',
 'sync',
 'dnsdomainname',
 'zmore',
 'lsblk',
 'wdctl',
 'bzmore',
 'grep',
 'tempfile',
 'gunzip',
 'findmnt',
 'mount',
 'mkdir',
 'rmdir',
 'rbash',
 'bzegrep',
 'zdiff',
 'login',
 'touch',
 'run-parts',
 'ypdomainname',
```



```
 'zfgrep',
 'umount',
 'dir',
 'bzcmp',
 'su',
 'more',
 'bash',
 'zforce',
 'dash',
 'zless',
 'dmesg',
 'chgrp',
 'sed',
 'bzip2',
 'sleep',
 'false',
 'mktemp',
 'uncompress',
 'rm',
 'bzip2recover',
 'mountpoint']
```

```
[6] import os

    os.listdir(".")
```

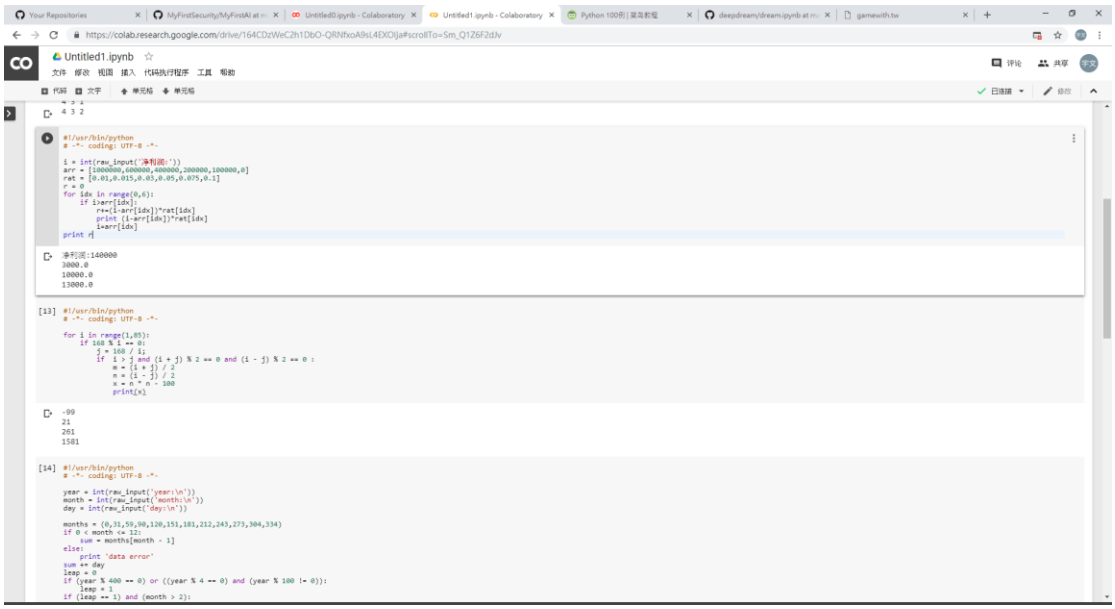
```
['.config', 'sample_data']
```

```
[11] # -*- coding: UTF-8 -*-

     # filename : test.py
     # author by : www.runoob.com

     # 用户输入数字
     num1 = input('输入第一个数字：')
     num2 = input('输入第二个数字：')

     # 求和
     sum = float(num1) + float(num2)

     # 显示计算结果
     print('数字 {0} 和 {1} 相加结果为： {2}'.format(num1, num2, sum))
```

```
输入第一个数字：1
输入第二个数字：2
数字 1 和 2 相加结果为： 3.0
```

```
[ ]
```

```
[ ]
```



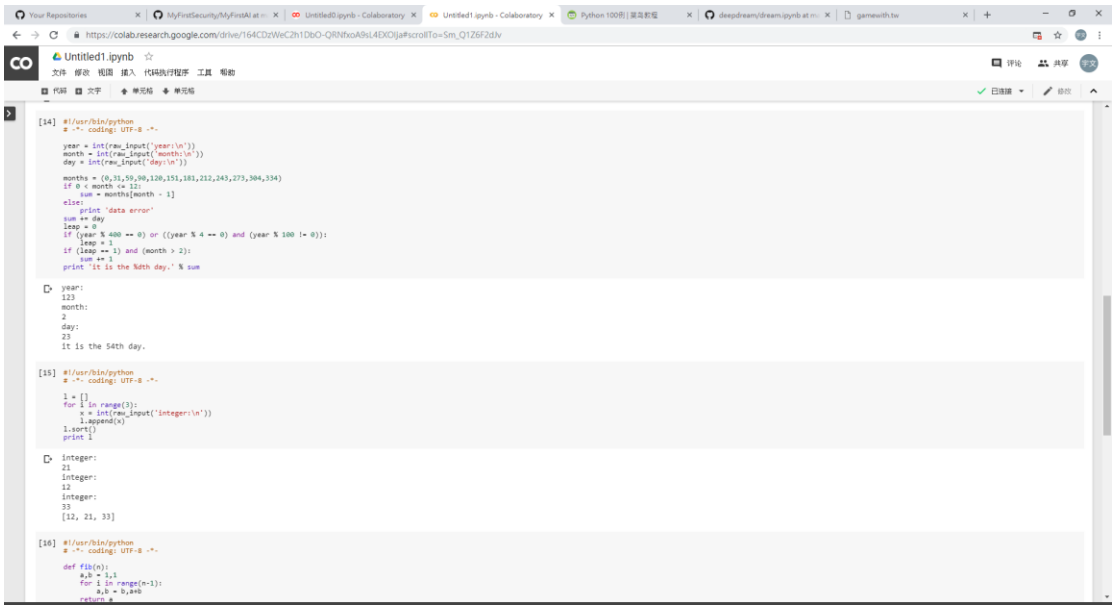
```
#!/usr/bin/python
# -*- coding: UTF-8 -*-

i = int(raw_input('净利润:'))
arr = [1000000,600000,400000,200000,100000,0]
rat = [0.01,0.015,0.03,0.05,0.075,0.1]
r = 0
for idx in range(0,6):
    if i>arr[idx]:
        r+=(i-arr[idx])*rat[idx]
        print (i-arr[idx])*rat[idx]
        i=arr[idx]
print r
```

```
净利润:140000
3000.0
10000.0
13000.0
```

```
[13] #!/usr/bin/python
# -*- coding: UTF-8 -*-

for i in range(1,85):
    if 168 % i == 0:
        j = 168 / i;
        if  i > j and (i + j) % 2 == 0 and (i - j) % 2 == 0 :
            m = (i + j) / 2
            n = (i - j) / 2
            x = n * n - 100
            print(x)
```

```
-99
21
261
1581
```

```
[14] #!/usr/bin/python
# -*- coding: UTF-8 -*-

year = int(raw_input('year:\n'))
month = int(raw_input('month:\n'))
day = int(raw_input('day:\n'))

months = (0,31,59,90,120,151,181,212,243,273,304,334)
if 0 < month <= 12:
    sum = months[month - 1]
else:
    print 'data error'
sum += day
leap = 0
if (year % 400 == 0) or ((year % 4 == 0) and (year % 100 != 0)):
    leap = 1
if (leap == 1) and (month > 2):
```



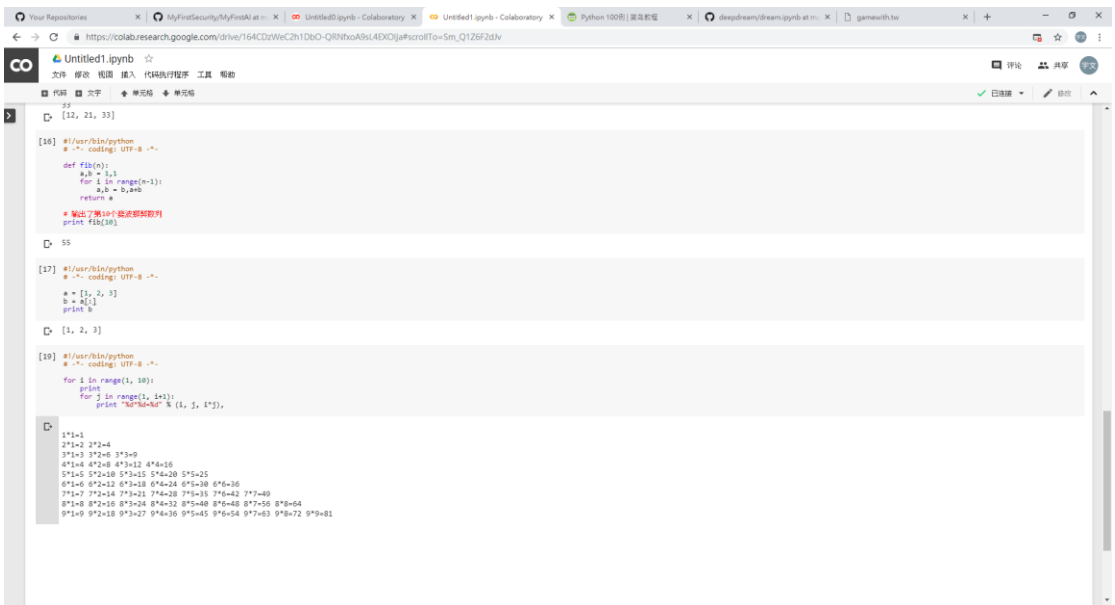
```
[14] #!/usr/bin/python
# -*- coding: UTF-8 -*-

year = int(raw_input('year:\n'))
month = int(raw_input('month:\n'))
day = int(raw_input('day:\n'))

months = (0,31,59,90,120,151,181,212,243,273,304,334)
if 0 < month <= 12:
    sum = months[month - 1]
else:
    print 'data error'
sum += day
leap = 0
if (year % 400 == 0) or ((year % 4 == 0) and (year % 100 != 0)):
    leap = 1
if (leap == 1) and (month > 2):
    sum += 1
print 'it is the %dth day.' % sum
```

```
year:
123
month:
2
day:
23
it is the 54th day.
```

```
[15] #!/usr/bin/python
# -*- coding: UTF-8 -*-

l = []
for i in range(3):
    x = int(raw_input('integer:\n'))
    l.append(x)
l.sort()
print l
```

```
integer:
21
integer:
12
integer:
33
[12, 21, 33]
```

```
[16] #!/usr/bin/python
# -*- coding: UTF-8 -*-

def fib(n):
    a,b = 1,1
    for i in range(n-1):
        a,b = b,a+b
    return a
```



```
[12, 21, 33]

[16] #!/usr/bin/python
# -*- coding: UTF-8 -*-

def fib(n):
    a,b = 1,1
    for i in range(n-1):
        a,b = b,a+b
    return a

# 输出了第10个斐波那契数列
print fib(10)
```

```
55
```

```
[17] #!/usr/bin/python
# -*- coding: UTF-8 -*-

a = [1, 2, 3]
b = a[:]
print b
```

```
[1, 2, 3]
```

```
[19] #!/usr/bin/python
# -*- coding: UTF-8 -*-

for i in range(1, 10):
    print
    for j in range(1, i+1):
        print "%d*%d=%d" % (i, j, i*j),
```

```
1*1=1
2*1=2 2*2=4
3*1=3 3*2=6 3*3=9
4*1=4 4*2=8 4*3=12 4*4=16
5*1=5 5*2=10 5*3=15 5*4=20 5*5=25
6*1=6 6*2=12 6*3=18 6*4=24 6*5=30 6*6=36
7*1=7 7*2=14 7*3=21 7*4=28 7*5=35 7*6=42 7*7=49
8*1=8 8*2=16 8*3=24 8*4=32 8*5=40 8*6=48 8*7=56 8*8=64
9*1=9 9*2=18 9*3=27 9*4=36 9*5=45 9*6=54 9*7=63 9*8=72 9*9=81
```