

```
import tensorflow as tf
from tensorflow import keras

# Helper libraries
import numpy as np
import matplotlib.pyplot as plt
print(tf.__version__)

[4] import os
os.listdir(...)

['sys',
 'dev',
 'usr',
 'etc',
 'var',
 'src',
 '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',
 'nlsdomainname',
 'grane',
 'fgrep',
 'ln',
 'zgrep',
 'bzgrep',
 'pwd',
 'rm',
 'sh',
 'readlink',
 'bzcat',
 'hostname',
 'zcat',
 'chown',
 'bzdiff',
 'sh-distsh',
 'true',
 'bzless',
 'tar',
 'egrep',
 'echo',
 'atty',
 'vdin',
 'cp',
 'domainname',
 'sync',
 'dvsdomainname',
 'zmore',
 'lsblk',
 'hdctl',
 'bzmore',
 'grep',
 'tempfile',
 'gunzip',
 'findent',
 'mount',
 'mkdir',
 'mkdir',
 'rm',
 'rm',
 'bz2decompress',
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 'mountpoint']
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```
ifgrep,
mount,
dir,
bzcat,
su,
some,
bash,
rfce,
dash,
zless,
dmesg,
chgrp,
sed,
bzcat,
sleep,
false,
mktemp,
uncompress,
rm,
bz2decompress,
mountpoint]

[4] 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
```

```
1#!/usr/bin/python
2# -*- coding: UTF-8 -*-
3
4i = int(raw_input("请输入:"))
5arr = [10000,10000,10000,10000,10000,10000,0]
6rat = [0.01,0.015,0.05,0.05,0.075,0.1]
7n = 0
8for idx in range(0,6):
9    if i>arr[idx]:
10        rat=(i-arr[idx])*rat[idx]
11        print (i-arr[idx])*rat[idx]
12        i=arr[idx]
13    print i
14
15D 140000
162000.0
1710000.0
1813000.0
19
20[13]#!/usr/bin/python
21# -*- coding: UTF-8 -*-
22
23for i in range(1,85):
24    if i%3 != 0:
25        j = 100 / i
26        if i > 0 and (i + j) % 2 == 0 and (i - j) % 2 == 0 :
27            n = (i + j) / 2
28            m = (i - j) / 2
29            x = n * n - 100
30            print(x)
31
32D -99
3321
34201
351581
36
37[14]#!/usr/bin/python
38# -*- coding: UTF-8 -*-
39
40year = int(raw_input("year:\n"))
41month = int(raw_input("month:\n"))
42day = int(raw_input("day:\n"))
43
44months = (0,31,59,90,120,151,181,212,243,273,304,334)
45if 0 < month <= 12:
46    sum = months[month - 1]
47else:
48    print "data error"
49sum += day
50leap = 0
51if (year % 400 == 0) or ((year % 4 == 0) and (year % 100 != 0)):
52    leap = 1
53if (leap == 1) and (month > 2):
54    sum += 1
55print "It is the %dth day." % sum
56
57D year:
58123
59month:
602
61day:
6223
63It is the 54th day.
64
65[15]#!/usr/bin/python
66# -*- coding: UTF-8 -*-
67
68l = []
69for i in range(3):
70    n = int(raw_input("integer:\n"))
71    l.append(n)
72    print l
73
74D integer:
7521
76integer:
7712
78integer:
7933
80[12, 21, 33]
81
82[16]#!/usr/bin/python
83# -*- coding: UTF-8 -*-
84
85def fib(n):
86    a,b = 1,1
87    for i in range(n-1):
88        a,b = b,a+b
89    return a
90
91# 输出了第10个斐波那契数列
92print fib(10)
93
94D 55
95
96[17]#!/usr/bin/python
97# -*- coding: UTF-8 -*-
98
99a = [1, 2, 3]
100b = a[1:]
101print b
102
103D [1, 2, 3]
104
105[18]#!/usr/bin/python
106# -*- coding: UTF-8 -*-
107
108for i in range(1, 10):
109    print
110    for j in range(1, i+1):
111        print "%d*%d=%d" % (i, j, i*j),
112
113D 1*1=1
1142*1=2 2*2=4
1153*1=3 3*2=6 3*3=9
1164*1=4 4*2=8 4*3=12 4*4=16
1175*1=5 5*2=10 5*3=15 5*4=20 5*5=25
1186*1=6 6*2=12 6*3=18 6*4=24 6*5=30 6*6=36
1197*1=7 7*2=14 7*3=21 7*4=28 7*5=35 7*6=42 7*7=49
1208*1=8 8*2=16 8*3=24 8*4=32 8*5=40 8*6=48 8*7=56 8*8=64
1219*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
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21D year:
22123
23month:
242
25day:
2623
27It is the 54th day.
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4112
42integer:
4333
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