a01.py ✕

```
0927 > a01.py
1    #註解
2
3    '''
4    註解
5    '''
6    print('hello')
```

a02.py ✕

```
0927 > a02.py
1    print('請輸入:')
2    a = input("input:")
3    print('你輸入的是:',a)
```

a03.py ✕

```
0927 > a03.py
1    print('請輸入1:')
2    a = int(input("input:"))
3    print('請輸入2:')
4    b = int(input("input:"))
5    print('加總:',a+b)
6
```

```
a04.py  ✕

0927 > a04.py
1    import random
2
3    print(random.randint(3, 9))
```

```
a05.py  ✕

0927 > a05.py
1    import random
2
3    a=random.randint(0, 10)
4    if a>=5:
5        print(a)
6        print('>=5')
7    else:
8        print(a)
9        print('<5')
10
```

```python
import random

a=random.randint(0, 15)
if a>=0 and a<=5:
    print(a)
    print('0-5')
elif a>=6 and a<=8:
    print(a)
    print('6-8')
else:
    print(a)
    print('9-15')
```

```python
import random

a=random.randint(0, 10)
b=random.randint(0, 10)
c=a+b
print(a,'+',b,'=?')
d=int(input("輸入:"))
if c==d:
    print('YES')
else:
    print('NO')
```

```python
count = 0
while (count < 9):
    print ('The count is:', count)
    count = count + 1

print ("Good bye!")
```

```
a09.py  ×

0927 > a09.py
  1    for letter in 'Python':
  2        print("字母: %s" % letter)
  3
  4    fruits = ['banana', 'apple',  'mango']
  5    for fruit in fruits:
  6        print ('水果: %s'% fruit)
  7
  8    print ("Good bye!")
```
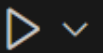
```
a10.py  ×

0927 > a10.py
  1    fruits = ['banana', 'apple',  'mango']
  2    for index in range(len(fruits)):
  3        print ('水果 : %s' % fruits[index])
  4
  5    print ("Good bye!")
```

```
a11.py  ✕                                              ▷ ⌄

0927 > 🐍 a11.py
  1    list1 = ['physics', 'chemistry', 1997, 2000]
  2    list2 = [1, 2, 3, 4, 5, 6, 7 ]
  3
  4    print ("list1[0]: ", list1[0])
  5    print ("list2[1:5]: ", list2[1:5])
```
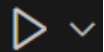
```
a12.py  ✕

0927 > 🐍 a12.py
  1    list = []
  2    list.append('Google')
  3    list.append('Runoob')
  4    print (list)
```

```
a13.py  ✕                                              ▷ ⌄

0927 > 🐍 a13.py
  1    list1 = ['physics', 'chemistry', 1997, 2000]
  2
  3    print (list1)
  4    del list1[2]
  5    print (list1)
```

```python
# a14.py

tup1 = ('physics', 'chemistry', 1997, 2000)
tup2 = (1, 2, 3, 4, 5, 6, 7 )

print ("tup1[0]: ", tup1[0])
print ("tup2[1:5]: ", tup2[1:5])
```

```python
# a15.py

tup1 = (12, 34.56)
tup2 = ('abc', 'xyz')

# 元组中的元素是不允許修改
# tup1[0] = 100

# 建立一個新的元组
tup3 = tup1 + tup2
print (tup3)
```

a16.py ✕

```python
tup = ('physics', 'chemistry', 1997, 2000)

print (tup)
del tup

print (tup)
```

a17.py ✕

```python
tinydict = {'Name': 'Zara', 'Age': 7, 'Class': 'First'}

print ("tinydict['Name']: ", tinydict['Name'])
print ("tinydict['Age']: ", tinydict['Age'])
```

a18.py ✕

```python
tinydict = {'Name': 'Zara', 'Age': 7, 'Class': 'First'}

tinydict['Age'] = 8
tinydict['School'] = "RUNOOB"


print ("tinydict['Age']: ", tinydict['Age'])
print ("tinydict['School']: ", tinydict['School'])
```

```python
1    tinydict = {'Name': 'Zara', 'Age': 7, 'Class': 'First'}
2
3    del tinydict['Name']
4    tinydict.clear()
5    del tinydict
6
7    print ("tinydict['Age']: ", tinydict['Age'] )
8    print ("tinydict['School']: ", tinydict['School'])
```

```python
1    def hello() :
2        print("Hello World!")
3
4    hello()
```

```
0927 > a21.py
1    def max(a, b):
2        if a > b:
3            return a
4        else:
5            return b
6
7    a = 4
8    b = 5
9    print(max(a, b))
```

```
0927 > a22.py
 1    def area(width, height):
 2        return width * height
 3
 4    def print_welcome(name):
 5        print("Welcome", name)
 6
 7    print_welcome("Runoob")
 8    w = 4
 9    h = 5
10    print("width =", w, " height =", h, " area =", area(w, h))
```

```
a23.py  ×

0927 > a23.py
  1    x = lambda: "Hello, world!"
  2   print(x())
  3
  4    y = lambda a : a + 10
  5   print(y(5))
  6
  7    z = lambda a, b : a * b
  8   print(z(5, 6))
```

```
a24.py  ×

0927 > a24.py
  1    total = 0
  2
  3   def sum( arg1, arg2 ):
  4
  5        total = arg1 + arg2
  6        print ("函数内是局部变量 : ", total)
  7        return total
  8
  9
 10   sum( 10, 20 )
 11   print ("函数外是全局变量 : ", total)
```

```python
num = 1
def fun1():
    global num
    print(num)
    num = 123
    print(num)
fun1()
print(num)
```

```python
class people:

    name = ''
    age = 0

    __weight = 0

    def __init__(self,n,a,w):
        self.name = n
        self.age = a
        self.__weight = w
    def speak(self):
        print("%s 說: 我 %d 歲。" %(self.name,self.age))


s = people('ken',10,60)
s.speak()
```

```python
class people:
    name = ''
    age = 0
    __weight = 0

    def __init__(self,n,a,w):
        self.name = n
        self.age = a
        self.__weight = w
    def speak(self):
        print("%s 說: 我 %d 歲。" %(self.name,self.age))

class student(people):
    grade = ''
    def __init__(self,n,a,w,g):

        people.__init__(self,n,a,w)
        self.grade = g

    def speak(self):
        print("%s 說: 我 %d 歲了，我在讀 %d 年级"%(self.name,self.age,self.grade))

s = student('ken',10,60,3)
s.speak()
```

```python
import sys

print("參数總長度 : ", len(sys.argv))
print("type:", type(sys.argv))
print("function name:", sys.argv[0])
try:
    print("第一個參數:", sys.argv[1])
    print("第二個參數:", sys.argv[2])
except Exception as e:
    print("Input Error:", e)
```