

(1번)

```
def hello():  
    print('hello world')  
  
hello()
```

(2번)

```
def my_abs( arg ):
    if arg < 0 :
        result = arg * -1
    else:
        result = arg
    return result

print(my_abs(-5))
print(my_abs(10))
```

(3번)

```
def print_string(text, count):  
    for i in range(count):  
        print(text)  
  
print_string('안녕',4)
```

```
def print_string(text, count=1):  
    for i in range(count):  
        print(text)  
  
print_string('안녕',4)  
print_string('안녕하시오')
```

(4번)

```
def print_personnel(name, position='staff', nationality='korea'):
    print('name = {0}'.format(name))
    print('position = {0}'.format(position))
    print('nationality = {0}'.format(nationality))

print_personnel(name="김인하")
print('-' * 30)
print_personnel(name="김인하", nationality='ROK')
print('-' * 30)
print_personnel(name="김인하", position='supervisor')
```

(5번)

```
def merge_string(*text_list):  
    result = ''  
    for s in text_list:  
        result = result + s  
    return result  
  
print(merge_string('아버지가', '방에', '들어가신다.'))
```

```
def print_team(**players):  
    for k in sorted(players.keys()):  
        print('{0}={1}'.format(k, players[k]))  
  
print_team(카시야스='GK', 호날두='FW', 알론소='MF', 페페='DF')
```

(6번)

```
def print_args(argc, *argv) :  
    for i in range(argc):  
        print(argv[i])  
  
print_args(3, "argv1", "argv2", "argv3")  
print_args(argc=3, "argv1", "argv2", "argv3") #error
```

```
def print_args(*argv, argc ) :  
    for i in range(argc):  
        print(argv[i])  
  
print_args("argv1", "argv2", "argv3", argc=3)  
print_args("argv1", "argv2", "argv3", 3)#error
```

(7번)

```
def my_abs( arg ):
    if arg < 0 :
        return arg * -1
    elif arg > 0:
        return arg

print(my_abs(-5))
print(my_abs(10))
print(my_abs(0)) #None
```

```
def ogamdo(num):
    for i in range(1,num+1):
        print(i)
        if i==5:
            return

ogamdo(3)
print('-'*30)
ogamdo(5)
print('-'*30)
ogamdo(8)
```

```
def ogamdo(*nums):
    for i in nums:
        print(i)

ogamdo(1,2,3,4)
```

(8번)

```
def scope_test():
    a = 1
    print('a:',a)#지역

a=0
scope_test()
print('a:',a)#전역
```

```
def scope_test():
    global a
    a = 1
    print('a:',a)    #전역

a=0
scope_test()
print('a:',a)        #전역
```


(9번)

```
def factorial(n):  
    if n == 0:  
        return 1  
    elif n > 0:  
        return factorial(n-1) * n  
  
print(factorial(3))  
print(factorial(5))  
print(factorial(10))
```

(10번)

```
def print_somethihg(a) :  
    print(a)  
  
p = print_somethihg  
p(123)  
p('abc')
```

```
def plus(a,b):  
    return a + b  
  
def minus(a,b):  
    return a - b  
  
opr1=int(input('입력 1:'))  
opr2=int(input('입력 2:'))  
  
op_list = [plus, minus]  
for op in op_list:  
    print(op(opr1, opr2))  
  
print('-'*30)  
print(op_list[0](opr1,opr2))  
print(op_list[1](opr1,opr2))
```

(11번)

```
def hello_kor():  
    print("안녕")  
  
def hello_eng():  
    print("Hi")  
  
def greet(hello):  
    hello()  
  
greet(hello_kor)  
greet(hello_eng)
```

```
def hello_kor():  
    print("안녕")  
  
def hello_eng():  
    print("Hi")  
  
def greet(where):  
    if where == 'K':  
        return hello_kor  
    else:  
        return hello_eng  
  
hello = greet('K')  
hello()  
hello = greet('E')  
hello()
```

(12번)

```
import math
def stddev(*args):
    def mean():
        return sum(args)/len(args)

    def variance(m):
        total = 0
        for arg in args:
            total += (arg - m)**2
        return total/(len(args)-1)

    return math.sqrt(variance(mean()))

print(stddev(2.3, 1.7, 1.4, 0.7, 1.9))
```