In [1]:

```
def function1():
    print('xyz')
    print('abc')
print('hello Sam')
```

```
hello Sam
```

In [2]:

```
function1()
```

```
xyz
abc
```

In [3]:

```
def function1(x):
    return x+9
```

In [4]:

```
function1(5)
```

Out[4]:

```
14
```

In [5]:

```
def function1(x):
    return 2*x+9
function1(5)
```

Out[5]:

```
19
```

In [6]:

```
def function1(x, y):
    return 2*x+y+9
function1(5,2)
```

Out[6]:

```
21
```

In [7]:

```
def function1(x, y):
    print(5,2)
    return 2*x+y+9
function1(5,2)
```

```
5 2
```

Out[7]:

```
21
```

In [8]:

```
function1(5,2)
```

```
5 2
```

Out[8]:

```
21
```

In [9]:

```
def function1(x):
    print(2)
    print('still in this function')
    return 2*x+9
function1(7)
```

```
2
still in this function
```

Out[9]:

```
23
```

In [10]:

```
f =function1(4)
```

```
2
still in this function
```

In [11]:

```
f
```

Out[11]:

```
17
```

In [13]:

```
def function2(some_arg):
    print(some_arg)
    print('still in this function')
    return 2*some_arg+9
function2(7)
```

```
7
still in this function
```

Out[13]:

```
23
```

In [ ]:

```
function2(2)
```

In [ ]:

```
def function2(some_arg1):
    print(some_arg1)
    print('still in this function')
    return 2*x+9
function2(7)
```

In [ ]:

```
name = 'xy'
height_my= 5
weight_my = 150

nameb = 'yz'
height_b= 7
weight_b = 180

names = 'zx'
height_s= 4
weight_s = 110

def bmi(name, weight, height):
    bmi = weight/(height**2)
    print("bmi:  ")
    print(bmi)
    if bmi < 10:
        return name + " is not obese"
    else:
        return name + " is obese need GYM membership"
```

In [ ]:

```
result1 = bmi(name, height_my, weight_my)
print(result1)
```

In [ ]:

```
result2 = bmi(nameb, height_b, weight_b)
print(result2)
```

In [ ]:

```
result3 = bmi(names, height_s, weight_s)
print(result3)
```

In [ ]:

```
def mtk(miles):
    km = miles/1.5
    print("km:  ")
    print(km)
```

In [ ]:

```
mtk(50)
```

In [ ]:

```

```