```
def greet():
    print('hello')
    print('good morning ')

def greet():
    print('hello')
    print('good morning ')
greet()
```

```
hello
good morning
```

```
def greet():
    print('hello')
    print('good morning')
greet()

def greet():
    print('hello')
    print('good morning ')
greet()
```

```
hello
good morning
hello
good morning
```

```
def greet():
    print('hello')
    print('good morning team')
greet()

print()

def greet():
    print('hello')
    print('good morning team')
greet()
```

```
hello
good morning team

hello
good morning team
```

```
def greet():
    print('hello')
    print('good morning team')
greet()

print()
```

```
def greet():
    print('hello')
    print('good morning team')
greet()

print()

def greet():
    print('hello')
    print('good morning team')
greet()
```

```
hello
good morning team

hello
good morning team

hello
good morning team
```

```
def greet():  # declare function without argument
    print('hello')
    print('good morning')
greet()
print('***********')
greet()
print('***********')
greet() # function calling  with out argument)
```

```
hello
good morning
***********
hello
good morning
***********
hello
good morning
```

```
# function without argument

def greet():
    print('hello')
    print('good morning team')
greet()
```

```
hello
good morning team
```

```
# function with argument

def add(x,y):
    c=x+y
    print(c)

add(5,7)
```

```
12
```

```
# function with argument

def add(x,y):
    c=x+y
    return c

add(5,6)
```

```
11
```

```
# function with argument

def add(x,y):
    c=x+y
    return c

add(10)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[10], line 7
      4     c=x+y
      5     return c
----> 7 add(10)

TypeError: add() missing 1 required positional argument: 'y'
```

```
# function with argument

def add(x,y):
    c=x+y
    return c

add(5,6,7)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
```

```
Cell In[17], line 7
      4     c=x+y
      5     return c
----> 7 add(5,6,7)

TypeError: add() takes 2 positional arguments but 3 were given
```

```
# function with argument

def add(x,y,z):
    c=x+y
    return c

add(5,6,7)
```

```
11
```

```
# function with argument

def add(x,y,z):
    c=x+y+z+m
    return c

add(5,6,7)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[11], line 7
      4     c=x+y+z+m
      5     return c
----> 7 add(5,6,7)

Cell In[11], line 4, in add(x, y, z)
      3 def add(x,y,z):
----> 4     c=x+y+z+m
      5     return c

NameError: name 'm' is not defined
```

```
# function with argument

def add(x,y,z,n):
    c = x+y+z+m
    return c

add(5,6,7,8)
```

```
---------------------------------------------------------------------------
```

```
NameError                                 Traceback (most recent call
last)
Cell In[12], line 7
      4     c = x+y+z+m
      5     return c
----> 7 add(5,6,7,8)

Cell In[12], line 4, in add(x, y, z, n)
      3 def add(x,y,z,n):
----> 4     c = x+y+z+m
      5     return c

NameError: name 'm' is not defined
```

```
# function with argument

def add(x,y,z,n):
    c = x+y+z+n
    return c

add(5,6,7,8)
```

```
26
```

```
def greet():
    print('hello')
    print('good morning team')
greet()
```

```
def add(x,y):
    c = x+y
    return c

add(5,6)
```

```
hello
good morning team
```

```
11
```

```
def greet():
    print('hello')
    print('good morning')

def add(x,y):
    sum = x+y
    return sum

def sub(x,y):
    d = x-y
    return d
```

```
greet()
print(add(5,6))
print(sub(5,6))
```

```
hello
good morning
11
-1
```

```
def add_sub(x,y):
    c= x+y
    d= x-y
    return c, d

result = add_sub(4,5)
print(result)
print(type(result))
```

```
(9, -1)
<class 'tuple'>
```

```
def add_sub(x,y):
    c= x+y
    d= x-y
    return c, d

add_sub(4,5)
print(type(add_sub))
```

```
<class 'function'>
```

```
def add_sub(x,y):
    c= x+y
    d= x-y
    return c, d

result, result1 = add_sub(4,5)

print(result)
print(result1)
print(type(result))
```

```
9
-1
<class 'int'>
```

```
def add_sub_mul(x,y):
    c= x+y
    d= x-y
```

```
    e= x*y
    return c, d, e

add, sub, mul = add_sub_mul(4,5)

add
sub
mul

20
```

# update

```
def update():
    x = 8
    print(x)
update()

8

def update(): #update function take the value from the user
    x = 8
    print(x)

update(8)

---------------------------------------------------------------------------
-----
TypeError                                 Traceback (most recent call
last)
Cell In[47], line 5
      2     x = 8
      3     print(x)
----> 5 update(8)

TypeError: update() takes 0 positional arguments but 1 was given

def update(x): #update function take the value from the user
    x = 8
    return x

update(100)

8

def update(x):
    x = 8
    return x
```

```
a = 15
update(a)
print(a)
```

```
15
```