```
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")
greet()

print()

greet()
```

```
hello
good morning

hello
good morning
```

```
def greet():
    print('hello')
    print("good morning")
greet()
print("******************************")
greet()
print("##################")
```

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

```
good morning
#################
```

DEFINE THE FUNC WITHOUT AGR

```
def add(x,y):
    c=x+y
    print(c)
add(4) #here we are providing only 1 agr but 2 are needed
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[21], line 4
      2     c=x+y
      3     print(c)
----> 4 add(4)

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

```
add(5,6,3,9) #only 2 agrs are needed but we added more
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[25], line 1
----> 1 add(5,6,3,9)

TypeError: add() takes 2 positional arguments but 4 were given
```

```
add(9,'a') #both agr should be int be we provided str so it will throw error
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[29], line 1
----> 1 add(9,'a')

Cell In[21], line 2, in add(x, y)
      1 def add(x,y):
----> 2     c=x+y
      3     print(c)

TypeError: unsupported operand type(s) for +: 'int' and 'str'
```

```
add(6,2)
```

```
8
```

```
greet()
add(2,3)
```

```
hello
good morning
5
```

```
greet()
print("--------------------")
add(6,4)
```

```
hello
good morning
--------------------
10
```

```
def add(x,y):
    c=x+y
    print(c)
add(5,4)
```

```
9
```

```
def add(x,y):
    c=x+y
    return c
add(5,4)
```

```
9
```

```
def add(x,y,z):
    c=x+y+z
    print(c)
add(5,4,1)
```

```
10
```

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

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

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

greet()
```

```
add(5,4)
sub(10,2)
```

```
hello
good noon
```

```
8
```

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

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

greet()
add_sub(5,4)
```

```
hello
good noon
```

```
(9, 1)
```

```
def add_sub(x,y): # what if i want to return 2 values add_sub & i want
to return 2 values & function can accept multiple value
    c= x+y
    d= x-y
    return c, d

result = add_sub(4,5)

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

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

```
res1,res2 = add_sub(2,3)
print(res1,res2)
print(type(res1))
print(type(res2))
```

```
5 -1
<class 'int'>
<class 'int'>
```

UPDATE VAR

```
def update():
    x=4
    print(x)
update()
```

```
4
```

```
update(5)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[58], line 1
----> 1 update(5)

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

```
def update(x):
    x=1
    return x

update(0)
```

```
1
```

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

a = 10
update(a)
print(a)
```

```
10
```

FUNC AGR

```
def add(a,b):
    c=a+b
    print(c)

add(1,2)
```

```
3
```

```
add(1,2,3)
```

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

```
Cell In[69], line 1
----> 1 add(1,2,3)

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

```
add(6)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[71], line 1
----> 1 add(6)

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

```
def person(name,age):
    print(name)
    print(age)

person('Mru',26)
```

```
Mru
21
```

```
def person(name, age):
    print(name)
    print(age-5)

person(22, 'nit')
```

```
22

---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[81], line 5
      2     print(name)
      3     print(age-5)
----> 5 person(22, 'nit')

Cell In[81], line 3, in person(name, age)
      1 def person(name, age):
      2     print(name)
----> 3     print(age-5)

TypeError: unsupported operand type(s) for -: 'str' and 'int'
```

```
person(28,'snehal')
```

```
28
```

```
---------------------------------------------------------------------
-----
TypeError                                 Traceback (most recent call
last)
Cell In[83], line 1
----> 1 person(28,'snehal')

Cell In[81], line 3, in person(name, age)
      1 def person(name, age):
      2     print(name)
----> 3     print(age-5)

TypeError: unsupported operand type(s) for -: 'str' and 'int'
```

KEYWORD AGR

```
def persdon(name, age):
    print(name)
    print(age-5)

person(age=22, name="nit")

nit
17

def person(name, age, mob):
    print(name)
    print(age-5)

person(age = 22, name = 'nit' )

---------------------------------------------------------------------
-----
TypeError                                 Traceback (most recent call
last)
Cell In[88], line 5
      2     print(name)
      3     print(age-5)
----> 5 person(age = 22, name = 'nit' )

TypeError: person() missing 1 required positional argument: 'mob'

def person(name, age, mob):
    print(name)
    print(age-5)
    print(mob)

person(age = 22, name = 'nit', mob = 101)
```

```
nit
17
101
```

```
def person(name, age=18):
    print(name)
    print(age)

person('nit')
```

```
nit
18
```

```
def person(name, age=18):
    print(name)
    print(age)

person('nit', 40)
```

```
nit
40
```