

```
In [1]: def greet():  
        print('hello')  
        print('good morning team')
```

```
In [3]: def greet():  
        print('hello')  
        print('good morning team')  
        greet()
```

hello
good morning team

```
In [5]: def greet():  
        print('hello')  
        print('good morning team')  
        greet()  
  
        def greet():  
            print('hello')  
            print('good morning team')  
            greet()
```

hello
good morning team
hello
good morning team

```
In [7]: 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

```
In [9]: 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

```
In [11]: def greet():  
          print('hello')  
          print('good morning team')  
          greet()  
          print('*****')  
          greet()  
          print('*****')  
          greet()
```

hello
good morning team

hello
good morning team

hello
good morning team

```
In [13]: def greet():  
          print('hello')  
          print('good morning team')  
          greet()
```

hello
good morning team

```
In [17]: def add(x,y):  
          c=x+y  
          print(c)  
          add(3,2)
```

5

```
In [19]: def add(x,y):  
          c=x+y  
          return(c)  
  
          add(5,4)
```

Out[19]: 9

```
In [21]: def add(x,y):  
          c=x+y  
          print(c)  
  
          add(5)
```

```

-----
TypeError                                Traceback (most recent call last)
Cell In[21], line 5
      2     c=x+y
      3     print(c)
----> 5 add(5)

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

```

```

In [23]: def add(x,y):
          c=x+y
          print(c)
          add(3,4,5)

```

```

-----
TypeError                                Traceback (most recent call last)
Cell In[23], line 4
      2     c=x+y
      3     print(c)
----> 4 add(3,4,5)

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

```

```

In [25]: def add(x,y,z):
          c=x+y
          return c

          add(5,6,7)

```

Out[25]: 11

```

In [27]: def add(x,y,z):
          c=x+y+z+m
          return c

          add(5,6,7)

```

```

-----
NameError                                Traceback (most recent call last)
Cell In[27], line 5
      2     c=x+y+z+m
      3     return c
----> 5 add(5,6,7)

Cell In[27], line 2, in add(x, y, z)
      1 def add(x,y,z):
----> 2     c=x+y+z+m
      3     return c

NameError: name 'm' is not defined

```

```

In [29]: def add(x,y,z,m):
          c=x+y+z+m
          return c

          add(5,6,7,8)

```

Out[29]: 26

```
In [31]: 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
```

```
Out[31]: 11
```

```
In [33]: def greet():
          print('hello')
          print('good morning team')

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

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

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

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

```
In [35]: 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'>
```

```
In [39]: 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))
          print(type(result1))
```

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

```
In [43]: 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)

          print(add)
          print(sub)
          print(mul)
```

9
-1
20

```
In [45]: def update():
          x = 8
          print(x)
          update()
```

8

```
In [47]: def update():
          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
```

```
In [49]: def update(x): #update function take the value from the user
          x = 8
          return x

          update(100)
```

Out[49]: 8

```
In [51]: def update(x):  
         x = 8  
         return x  
  
         a = 15  
         update(a)  
         print(a)
```

15

In []: