

Python Functions

greet

sub

add

person

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

```
In [3]: def greet():  
        print('amma nanna')  
        print('mother father')  
        print('sun daughter')  
        print('grand mother grand father')  
        greet()
```

```
amma nanna  
mother father  
sun daughter  
grand mother grand father
```

```
In [7]: def greet():  
        print('hello naidu')  
        print('good morning naveen')  
        greet()  
  
        greet()  
  
        greet()
```

```
hello naidu  
good morning naveen  
hello naidu  
good morning naveen  
hello naidu  
good morning naveen
```

```
In [9]: # write a python code add 2 number  
  
def add(x,y):  
    c=x+y  
    print(c)  
add(5,6)
```

```
11
```

```
In [11]: # write a python code add 2 number
```

```
def add(x,y,z):  
    c=x+y+z  
    print(c)  
add(5,6, 7)
```

18

```
In [15]: def add(x,y,z):  
         c=x+y+z  
         print(c)  
         add(5,7,9)
```

21

```
In [21]: def greet():  
         print('naidu')  
         print('rishika')  
         greet()  
  
         def add(x,y,z):  
             c=x+y+z  
             print(c)  
         add(9,2,11)
```

naidu
rishika
22

```
In [31]: def greet():  
         print('naidu')  
         print('good evening')  
  
         def add(x,y,z):  
             c=x+y+z  
             print(c)  
  
         def sub(x,y):  
             d = x-y  
             print(d)  
  
         greet()  
         add(3,9,13)  
         sub(18,18)
```

naidu
good evening
25
0

```
In [37]: def greet():  
         print('naidu')  
         print('rishika')  
  
         def add(a,b,c):  
             z=a+b+c  
             print(z)  
  
         def sub(x,y):  
             d=x-y  
             print(d)  
  
         greet()
```

```
add(6,7,9)
sub(3,5)
```

```
naidu
rishika
22
-2
```

In [43]: *# what if i want to return 2 values add_sub & i want to return 2 values & funct*

```
def add_sub(x,y):
    c=x+y
    d=x-y
    e=x*y
    f=x/y
    g=x**y

    print(c,d,e,f,g)
add_sub(9,9)
```

```
18 0 81 1.0 387420489
```

In [45]: **def** add_sub(x,y):

```
    a=x*y
    b=x/y
    print(a,b)
add_sub(9,3)
```

```
27 3.0
```

In [51]: **def** greet():
 print('ramu naidu')
 print('sathay vathi')

```
def add(x,y,z):
    c =(x+y+z)
    print(c)
def sub(x,y):
    a =x+y
    b=x-y
    d=x*y
    e=x/y
    print(a,b,d,e)
greet()
add(2,3,4)
sub(5,7)
```

```
ramu naidu
sathay vathi
9
12 -2 35 0.7142857142857143
```

In [53]: **def** add_sub(x,y): *# what if i want to return 2 values add_sub & i want to return*

```
    c= x+y
    d= x-y
    return c, d

result = add_sub(4,5)
```

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

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

```
In [55]: def add_sub(x,y):
          c= x+y
          d= x-y
          return c,d
          result1,result2 = add_sub(5,9)

          print(result1,result2)

          print(type(result1))
          print(type(result2))
```

```
14 -4
<class 'int'>
<class 'int'>
```

```
In [67]: def bmw(x): #update function take the value from the user
          x = 10
          print(x)

          bmw(1)
```

```
10
```

```
In [71]: def audi(y):
          y = 99
          print(y)
          audi(1)
```

```
99
```

formal argument

```
In [81]: class nit:
          def add(a,b): # a & b called formal argument
              c = a+b
              print(c)

          add(5,6) #5 and 6 we called as actual argument
```

Cell In[81], line 3

```
c = a+b
^
```

IndentationError: expected an indented block after function definition on line 2

actual argument

- positional argument
- keyword argument
- variable length
- default

```
In [83]: def person(name,age):  
        print(name)  
        print(age)  
  
        person('nit',22)
```

nit
22

```
In [85]: def person(name,age):  
        print(name)  
        print(age)  
  
        person('naidu',22)
```

naidu
22

```
In [87]: def person(name,age):  
        print(name)  
        print(age)  
  
        person('Rishika',21)
```

Rishika
21

```
In [105... def person(name,age,number,hight):  
        print(name)  
        print(age-4)  
        print(number)  
        print(hight)  
        person(age = 22, name = 'Rishika', number = '22331E0027', hight = '167' )
```

Rishika
18
22331E0027
167

In []: