

## Study of functions in Python:

### 1) Definition of a function:

Def function\_name(args):

```
{ statement1:(Do Something like print or take input from user)
  Statement2(Do Something like print or take input from user)
  .
  .
  Statementn(Do Something like print or take input from user or return a value)
}
```

### 2) Calling of function

Function\_name (to invoke or make use of the function)

eg1):

```
def greet():
    print("Hello")
    print("Good Morning")
greet()
output:Hello
        Good Morning
```

### 2) def add(x,y):

```
    c=x+y
    print(c)
add(5,4)
Output:9
```

### 3) def add\_sub(a,b):

```
    c=a+b
    d=a-b
    return c,d
result1,result2=add_sub(8,4)
print(result1,result2)
output:12 4
```

### 4) marks=[88,70,75,92,69,84]

```
sum_marks=sum(marks)
print("the sum of marks is", sum_marks)
output:the sum of marks is 478
```

### 5) def add\_multiply(n1,n2):

```
    add=n1+n2
    multiply=n1*n2
```

```
    return add,multiply
Addition,Multiplication=add_multiply(40,35)
print("Addition of the 2 numbers is:", Addition)
print("Multiplication of the 2 numbers is:", Multiplication)
```

output:Addition of the 2 numbers is: 75  
Multiplication of the 2 numbers is: 1400