Function: reusable block of code designed to perform a specific task.

In [39]:
```
def greet():
    print('Hello')
    print('Hi, This is Pooja Sharma') # it will not print statment
```

In [40]:
```
def grret():
    print("Hello")
    print('Hi, This is Pooja Sharma')
grret()   # now it will print when we call function
```

```
Hello
Hi, This is Pooja Sharma
```

In [41]:
```
def grret():
    print("Hello")
    print("Good Morning Team")
grret()
def grret():
    print("Hello")
    print("Good Morning Team")
grret()
```

```
Hello
Good Morning Team
Hello
Good Morning Team
```

In [42]:
```
def grret():
print("Hello")
print("Good Morning Team")
grret()
print()
def grret():
print("Hello")
print("Good Morning Team")
grret()
```

```
  Cell In[42], line 2
    print("Hello")
    ^
IndentationError: expected an indented block after function definition on line 1
```

In [43]:
```
def grret():
    print("Hello")
    print("Good Morning Team")
grret()

print()

def grret():
    print("Hello")
    print("Good Morning Team")
grret()
print()
```

```
def grret():
    print("Hello")
    print("Good Morning Team")
grret()

print()

def grret():
    print("Hello")
    print("Good Morning Team")
grret()
```

```
Hello
Good Morning Team

Hello
Good Morning Team

Hello
Good Morning Team

Hello
Good Morning Team
```

In [44]:
```
def greet(): # Declare function Without Argument
    print("Hello")
    print("Good Morning Team")
greet()
print('******')
greet()
print('******')
grret() #function calling without argument
```

```
Hello
Good Morning Team
******
Hello
Good Morning Team
******
Hello
Good Morning Team
```

In [45]:
```
#Function Without Argument
def grret():
    print("Hello")
    print("Good Morning Team")
greet()
```

```
Hello
Good Morning Team
```

In [46]:
```
#Function With Argument
def add(x,y):
    C= x + y
    print(C)
add(10,20)
```

```
30
```

In [47]:
```
#Function With Argument
def add(x,y):
    C= x + y
```

```
    return C
add(10,20)
```

Out[47]: 30

In [48]:
```
#Function With Argument
def add(x,y,z):
    C=x + y
    return C
add(10,20,10)
```

Out[48]: 30

In [49]:
```
#function with Argument

def add(x,y,z,n):
    C = x+y+z+n
    return C
add(10,10,20,10)
```

Out[49]: 50

In [50]:
```
def greet():
    print("Hello")
    print("Good Morning Team")
greet()

def add(x,y):
    C = x + y
    return C
add(10,20)
```

```
Hello
Good Morning Team
```

Out[50]: 30

In [51]:
```
def grret():
    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(10,4))
print(sub(15,5))
```

```
Hello
Good Morning Team
14
10
```

In [52]:
```
def add_sub(x,y):
    c = x + y
```

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

result= add_sub(8,4)
print(result)
print(type(result))
```

```
(12, 4)
<class 'tuple'>
```

In [53]:
```
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'>
```

In [54]:
```
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(5,6)

add
sub
mul
```

Out[54]: 30

Update

In [55]:
```
def update():
    x = 10
    print(x)
update()
```

```
10
```

In [56]:
```
def update(x):
    x = 10
    return(x)
update(100)
```

Out[56]: 10

In [57]:
```
def updaate(x):
    x = 10
    return x
a = 20
```

```
update(a)
print(a)
```

```
20
```

In [ ]:

In [ ]:

In [ ]:

In [ ]: