**8.What is python function?**

**Objective:**

* To see, what is python function, syntax and example.

**Process:**

* **Definition of function**.

Function blocks begin with the keyword **def.**

Followed by the function name and parentheses ().

The code block within every function starts with a colon (:) and is indented.

Any input parameters or arguments should be placed within these parentheses.

We can also define parameters inside these parentheses.

* **Syntax**.

def functionname( arguments ):

Code block

Return statement

* **Function call statement**.

To call the function by passing the arguments to the function.

We can also call a function using by pass reference.

**Input:**

* Sample code for sum of two numbers.

**Output:**

* Sum of two numbers.

**Source code:**

#python function

def sum(a,b):

c=a+b

if(a==b):

print(c+2)

else:

print(c)

print("\*\*\*\*First execution\*\*\*\*\*")

#calling the function

sum(5,6)

#calling by reference

input1=5

input2=5

print("\*\*\*\*Second execution\*\*\*\*\*")

sum(input1,input2)

**Screen shot:**



