**What is Function?**

Function is nothing but group of statements which only execute when we call the function.

Note:-

* Code reusability
* Function returns value as a result
* We can pass value to the functions called parameters

Types

Pre-defined User-defined

(len(),print(),int()) (Ankit(),Ankush(),add())

Pre-defined function:- (which comes with python)

e.g- print(),len(),type(),del(),int(),float(),dict()

User-defined function:- (we create to fulfill our business requirements)

e.g-

syntax:- def function\_name(parameter 1, parameter n):

“body”

“body”

return value //optional

Types of arguments:

1. Positional arguments:
2. Order should be maintained.
3. No. of parameter=no. of arguments
4. Keyword arguments:
5. Order is not important
6. No. of parameter=no. of arguments
7. Keyword arguments should follow positional arguments
8. Default arguments:
9. Order is important
10. No. of parameter may or may not be equal to no. of argument.