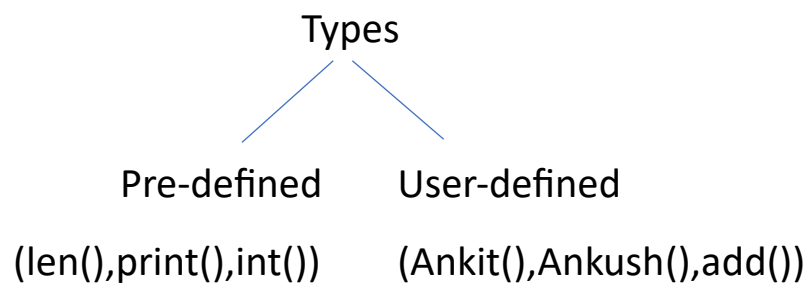## What is Function?

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:
   a) Order should be maintained.
   b) No. of parameter=no. of arguments

2. Keyword arguments:
   a) Order is not important
   b) No. of parameter=no. of arguments
   c) Keyword arguments should follow positional arguments

3. Default arguments:
   a) Order is important
   b) No. of parameter may or may not be equal to no. of argument.