

24/09/2025, Wednesday

Functions: It is a block of code used to perform a specific task.

- It will make our programs more organized, readable & reduce repetition.

Types of functions:

- 1) Built-in fun: pre-defined things, user can use it whenever they want.  
Ex: `type()`, `print()`, `len()`, `input()`.
- 2) User defined fun: These are created by user using 'def' keyword.

Syntax: `def fun-name(parameters):`  
                  Statements  
                  return value

We can create user-defined fun by 4 ways.

- i) Function without input & without return
- ii) Function with input & without return.
- iii) Function without input & with return.
- iv) Function with input & with return.

- 3) Lambda fun: It is a anonymous (nameless) functions written in a single line using the lambda keyword.

UD fun:

- i) Function without return & input.

`def fun-name():`  
                  Statements