CHP O4 "Functions"

i)- Function is a block of code which only runs when it is called.

ii)- Function is also used for reusability.

iii)- In Python, function starts with "def" keyword.

Types of Function

i)- Built-in Function

ii)- User-defined Function

iii)- Anonymous Function.

Syntax of Function

```
def functionname ():
      # Body
```

```
#calling a function
functionname ()
```

What can be done with Function

i)- Creating a function

ii)- Calling a function

iii)- Function with one argument

iv)- Function with multiple argument

v)- Anonymous Function (Lambda Function)

2 Recursion Function

The Function which call itself

3 - Anonymous Function

also called one line function

```
x = lambda a : a+10
Print(x (5))
#15 output
```

4- Global variable :- Global variable means the variable can be use anywhere in the Program. We use "global" keyword for global variable.

5- Local variable :- The variable which can used in it space