بِسۡمِ ٱللَّهِ ٱلرَّحۡمَٰنِ ٱلرَّحِيمِ

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Semester:

7th th

Subject: **Web design & framework**

Roll no: **SP20M2BB024**

Chapter # 7

1. ## Function:

   1. A function is group of statements performing a specific task.
   2. A function can be reused by the performance in a given program any number.

2. ### Example:

```
python > 🐍 function.py > ◈ func1
  1    # function
  2    def func1():
  3     print("alia")
  4     #function cal
  5    func1()
```

Output:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS D:\sofware h> python -u "d:\sofware h\python\function.py"
alia
```

2. ## Function call:

A callable object is an object that can accept some arguments (also called parameters) and possibly return an object (often a tuple containing multiple objects

   - ### Syntax:
     ### Func1()

1. ### Example:

```
4    #function cal
5    func1()
6    # sum
7    def func1(a,b):
8        print("sum is" ,a+b)
9        func1(2+7)
```

✟ Types of function:

Two types of function in python are given:
1. Built in functions
2. User defined functions

♣ Example of built in:

len(), print(),range()

1. ### Example of user define:

func1(), funct2()

1. # Function with Argument:

An argument is the value that are sent to the function when it is called.

♣ Example:

```
7    #function argument
8    def func1(a,b):
9        divide= a/b
10       #print(divide)
11      return divide
12   a = func1(15,5)
13   print(a)
14
```

Output :

```
PS D:\sofware h> python -u "d:\sofware h\python\function.py"
3.0
```