Python Programming

Practice – 1

This practice reinforces the basics of Python Programming.

- *It helps to understand the different modes in which Python works.*
- *The basic data types of Python, the numbers and strings.*
- *Arithmetic and String operators.*
- *IO operation with Python programs.*

We shall put these elements together to create simple basic Python programs.

1. Start **Python** in *Interactive Mode* and understand the following:.

   a) The different **keywords** of Python
   b) The basic **arithmetic operators** of Python
   c) The different **number types** supported by Python
   d) The use of **type( )** function for RTTI
   e) The Python **special variable _** (underscore)
   f) Different representations of **Python strings**.
   g) The different **string operators**
   h) Strings Features like : String slicing, Immutable property of string, Usage of negative subscripts with stings.

2. Write a program to find the area and circumference of a circle.

```
Area = PI * Radius^2
Circumference = 2.0 * PI * Radius
```

   NOTE : Import the **math** module (import math) and use the **PI** constant as **math.pi** in this program.

3. Write a program to find the temperature is in Fahrenheit, given the temperature in Celsius equivalent and vice-versa.

```
*Celsius = ( 5.0 / 9.0 ) * ( Fahrenheit – 32.0 )
*Fahrenheit = (( 9.0 / 5.0 ) * Celsius ) + 32.0
```

Compiled By : *Mohammed Mukthar Ahmed*