**Assignment – 1**

Q1: Write a Python program which accept the radius of a circle from the user and compute the area.

*Sample Output :*   
r = 1.1  
Area = 3.80

Q2: Temperature of a city in Fahrenheit degrees is input through the keyboard. Write a program to convert this temperature into Centigrade degrees.

Q3: Ramesh’s basic salary is input through the keyboard. His dearness allowance is 40% of basic salary, and house rent allowance is 20% of basic salary. Write a program to calculate his gross salary.

Q4: Write a Python program which accept the user's first and last name and print them in reverse order with a space between them.

Q5: Write a Python program to get the the volume of a sphere with radius 6.

Q6: If a five-digit number is input through the keyboard, write a program to calculate the sum of its digits. (Hint: Use the modulus operator ‘%’)

Q7. Write a Python program to accept a filename from the user and print the extension of that.

Q8. Write a Python program to display the first and last colors from the following list.

color\_list = ["Red","Green","White" ,"Black"]

Q9. Write a Python program to calculate number of days between two dates.

Q10. Write a Python program to get a new string from a given string where "Is" has been added to the front. If the given string already begins with "Is" then return the string unchanged.

Q11. Write a Python program to test whether a passed letter is a vowel or not.