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 = 3.8013271108436504

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: 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 '%')

Q5: Write a Python Program to make a simple calculator that can add, subtract, multiply and divide

Q6: Write a Python Program to calculate the square root

Q7 Write a Python Program to Solve the quadratic equation ax**2 + bx + c = 0
 # Coeffients a, b and c are provided by the user

[Hint: import complex math module - import cmath]

Q8: Write a Python Program to find the area of triangle
 # Three sides of the triangle a, b and c are provided by the user