

### Lab Exercise – 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: Write a Python Program to make a simple calculator that can add, subtract, multiply and divide

Q4: Write a Python Program to calculate the square root

Q5: Write a Python Program to Solve the quadratic equation  $ax^2 + bx + c = 0$   
# Coefficients a, b and c are provided by the user

[Hint: import complex math module - import cmath]

Q6: Write a Python Program to find the area of triangle  
# Three sides of the triangle a, b and c are provided by the user

Q7: If a five-digit number is input through the keyboard, write a program to calculate the sum of its digits without using any loop. (Hint: Use the modulus operator '%')

Q8: Write a Python program to print the following string in a specific format

```
Twinkle, twinkle, little star,  
    How I wonder what you are!  
        Up above the world so high,  
        Like a diamond in the sky.  
Twinkle, twinkle, little star,  
    How I wonder what you are
```

Q9: Write a Python program to display your details like name, age, address in three different lines.