# In- Class Exercise – Module

## INSTRUCTIONS: - Read the statements below and perform the tasks.

## Sphere.py

1. Given the radius compute the diameter, circumference, and volume of a sphere.
2. Useful facts:

   diameter = 2 * radius

   circumference = 2 * PI * radius

   surface area = 4 * PI * radius * radius

   volume = 4/3 * PI * radius * radius * radius
3. Import the math module.
4. Use math.pi in your calculations.
5. Write a program that takes the radius of a sphere (a floating pointing number) as input.
6. Outputs the sphere's diameter, circumference, surface area, and volume.