CS2365-Spring 2022
Homework #1

1. Write a Java program to create a class Circle. The class has an attribute Radius and should have methods that calculate Area and Circumference of the Circle. The set method for Radius should verify that Radius is a double point number greater than 0 and less than 50. A get method shows the value of Radius. Write a class TestRadius to test the class Radius. In the TestRadius, each method of Radius class needs to be called with the input entered by user and display the results. Use the **Scanner** class to read user input and display results. (5 pts)

2. Write a Java program to create a class Employee. The class should include three instance variables: name (type: String), ID (type: int), and position (type: String). Write a class TestEmployee to test the class Employee. Read the name, ID and position of three employees from user input, create three employee objects using the constructor that has name1, ID1, and position1 parameters, and display each employee's name, ID and position. Use the **JOptionPane** class to read user input and display the results. (5 pts)

1. Methods - get and set
   private radius
   needs to add error message

You can submit two .java files or one .java file two class