CS410 INTRODUCTION TO COMP SCI APPLIC

Assignment 10 – Procedures

Problem

Write a program called **Cylinder**, to input the radius and height of a cylinder and calculate and print both the volume and surface area. Your program should include three `public static` methods as follows:

volCyl – returns volume of cone

surfaceAreaCyl – returns surface area of cone

display – displays results of calculations

Your program should also give the user the chance to input another cylinder's dimensions after completing the previous calculation. You do not have to handle input errors.

Notes

1. Volume of a cylinder = $\pi r^2 h$

    Surface Area of a cylinder = $\pi r(2r + 2h)$

2. Comment each variable and each procedure.

Turning in the Assignment

1. When you have finished, run your program **once** using the test data below

    Set 1:   radius = 11.3   height = 2.6

    Set 2:   radius = 5.6   height = 22.66

    Set 3:   radius = 0.56   height = 0.32

2. Take a screenshot of your program running. Upload screenshots, **Cylinder.java** and **Cylinder.class** to Canvas.

    Due Date: start of class on 3/31