

CS344 Lab 9 – Statement Functions

Assigned: 10/16/09

Points: 20

Purpose

The purpose of the lab is to learn how to create and use statement functions and to handle user commands.

Process

In this lab you will:

- Create statement functions to compute the area of a
 - Rectangle
 - Circle
 - Triangle
- You will prompt the user for a command and then based on that command you will prompt for the data needed to compute the area
- The program will calculate the area, display the results (2 digits to the right of the decimal point) and then prompt for another command
- Use the following numbers for commands
 - 1 – Area of a rectangle
 - 2 – Area of a circle
 - 3 – Area of a triangle
 - 4 – Exit the loop
 - Display an error message for any other command

Your output should appear similar to the following:

```
Enter a command:
1
Enter the Height:
3.5
Enter the Width:
4.5
The area of the rectangle is  15.75
Enter a command:
2
Enter the Radius:
30.6
The area of the circle is 2941.66
```

```
Enter a command:
3
Enter the Base:
2.2
Enter the Height:
6.8
The area of the triangle is 7.48
Enter a command:
5
Bad Command - Try Again
Enter a command:
4
Come back again!
```

Use implicit none!

Turn in your work as you have for the previous labs.