

CSCI 161: Introduction to Programming I

Lab 2a: Area **Due 9/16/08 by 11:59 PM**

Goals

- to use the basic concepts of variables and primitive data we have learnt so far

Overview

1. Start a new **project** in Java – call it “Lab2Area” (one word)
2. Start a new **class** within the new project, call it “Area”
3. Using **comments** to write your name and information about this class.
4. Notice that Eclipse will create the **class** called “Area” and **method** called “main” for you. Also notice the indentations that occur after each curly bracket.
5. Write a complete program to calculate the area of a circle

Output Specification

Output the initial area of a circle; define the variable named “pi” and the variable named “radius”

Give the variable radius an initial value of 5

Sample Output:

The area for this circle is:
75.0

6. Run the program, and then submit your work to Hardy161 → Lab2Area. The file being submitted should be Area.java

Input Specification

No input is required.

Required Methods

Use several static methods to eliminate redundancy.

Hints

Create a new project for this lab. The basic steps are the same as in the first lab. In Eclipse, go to File-> New -> Project and create a Java Project. Under "Project layout", be sure to select "Use project folder as root for sources and class files". Name your project (e.g."Lab2Area"). Next create a new Java class file by clicking on the "New Java Class" button. Name the class (e.g., "Area"). Under "Which method stubs would you like to create?", be sure to click on the box to create "main".