CSC 204 - Lab 4: Practice with Eclipse

Chapter 2 of our textbook shows off many examples of how to use Java. This lab has you compile and run many of the examples from Chapter 2 in our textbook: "Big Java."

Goals:

After this lab you should be comfortable creating Java Projects in Eclipse, writing, compiling, and running Java programs in Eclipse, and have a better understanding about many of the capabilities offered in the Java programming language.

Lab Setup:

You should save your local copies of this lab somewhere. It would be best for you to save your work on Orion. When finished you should upload the source folder from this Eclipse project to your shared Google folder (and name it Lab4).

Setup:
- Start Eclipse by double clicking the "eclipse.exe" shortcut icon in the Shortcuts folder on your desktop.
- When prompted for a workspace, Browse to your Orion folder named Eclipse. DO NOT check the "Use this as the default..." checkbox.
- Create a new Java Project named "Lab4".
- Aside from Eclipse, you should open our Courses folder and browse to the Big Java source code folder. This folder is organized by chapters and sections. Open the Chapter 2 folder.
- Each subfolder contains some Java examples. Each example is given in two forms: Java source code, and as a viewable web page. Make sure you copy the Java files, not the web pages, when asked to copy files.

Lab Steps:

This lab is pretty simple. You will be copying Java source files into your Lab4 Eclipse project's src folder, compiling them, and then running them. It is important for you to look at the code, and the output from running the code, and to make a connection between the two. Enjoy!! :)

Java Source Files to copy:

- VariableDemo.java - MethodDemo.java - ConstructorDemo.java - AccessorMutatorDemo.java - MoveTester.java - CopyDemo.java - EmptyFrameViewer.java	- RectangleComponent.java AND RectangleViewer.java (these work together - run Viewer) - FaceComponent.java AND FaceViewer.java (ditto, above) - Day.java AND DaysAlivePrinter.java (run DaysAlivePrinter) - Day.java AND DayTester.java (run Tester) - BorderMaker.java (you will need to copy queen-mary.png into your **Lab4 Project folder**). - Picture.java AND PictureDemo.java (need queen-mary.png and run Demo)

Deliverables:

Lab work is due by class time on Friday. Since you are doing your work through Eclipse, you should be able to browse within your Eclipse folder and find a Lab4 folder, that has a src folder that contains all .java files created for this project. Once you find the source code folder in your Lab4 Eclipse project, you can upload it to your shared Google folder. Once you have uploaded the source code folder from this project, rename it to "Lab4". Make sure your newly named Lab4 folder contains 17 Java files.