

Week 2 Laboratory Exercise – Using the Eclipse Development Environment
BE-104, Dr. Tritt, Spring '05

Handout version 1.0 for Eclipse 3.1 (should also work for 3.0) and JDK 1.5.0 Update 1.

The purpose of this assignment is to become familiar with the Eclipse IDE and writing, compiling, and running Java programs.

Work through the sample program development in Section 2.5 of the text. In the Eclipse IDE, you should create a project and enter the code described in this section. Create the project as follows for best results:

Be sure you're in the "Java Perspective." First, create an empty project by selecting File | New | Project... and specifying a Java Project. Click *Next* and specify a project name (it should be the same as your class name is going to be) and click *Finish*. Next, add a class to your project by selecting File | New | Class and completing the dialog. Be sure the correct "Source Folder" is specified and specify a name for your class. You can have Eclipse insert a "public static void main(String[] args)" stub into your source file. This saves you some typing but can be confusing.

Now enter your code. Be sure to include comments and any necessary import statements. After entering enough code to compile create a "Run Configuration" by selecting Run | Run and clicking *New*. Specify a name of the configuration and a "Project" and "Main Class" You can "Browse..." for these last two items. After supplying the required information click *Apply* and then *Run*.

You should develop the program in three "phases." First get the full name entry working (echo the name to prove the input works), next parse the name into three separate strings (first, middle and last), again echoing the results to prove your code works, and finally extract and display the monogram.

Once you have the complete program working, you should demonstrate it to your instructor.

You should demonstrate the program to your instructor before leaving the week 2 lab. No report is required for this assignment.