

CSCI 161: Introduction to Programming I

Lab 1c: Hello, World (Eclipse, Java)

Goals

- to modify a program to enhance a Java program

Overview

This activity will continue to introduce you to the Java programming language. You will copy your program file from Lab_1b, make some changes to it, compile it, and resubmit the project.

Modifying an existing program (Hello2.java)

For this next activity, you will modify the program you created in Lab_1b. You don't want to replace your previous program, so you will copy it and modify the copy.

Create a New Program from an Existing Program: In Eclipse, with Hello.java displayed in the editor pane, select *File -> Save As*. Change the Name of the file to 'Hello2.java'. This copies the contents of the original file to a new file with a different name. Hello2.java will now be in focus in the editor pane. This is where you will make your changes.

Make a Few Small Changes: First change the class name to Hello2 (as in 'public class Hello2 {'). Edit Hello2.java so that the console input and output asks for the user's first name, reads the first name, then asks for the user's last name, and reads the last name. The program should then greet the user by first and last name (e.g., "Hello, Janey Doe"), with proper spacing between the names (use the plus operator '+' to join strings). Note that you will need two string objects, one for the first name and one for the last name. You do *not* need a second Scanner.

Run the Program: Now run 'Hello2'. Click on the down arrow beside the 'Run' button and select 'Run...'. Click the 'New' button (the one with the page and the '+' sign) and a 'Hello2' launch configuration will be created (Name is 'Hello2' and main class is 'Hello2'). Click the 'Run' button.

Make a Few More Changes: Now change the graphical code to mirror the console changes. You will display two input message boxes (one each for first and last name) and then a single message box greeting the user with their full name. Use the same variables from the first modification.

Run the Program: This time, you can just click the 'Run' button.

When you are done, submit your modified project again as "Lab_1c". The files being submitted should be "Hello2.java".

Congratulations! You've survived your first 161 lab!