

LAB #4

BLUEJ

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This lab should be completed during the scheduled lab sessions. In order to complete this lab you must demonstrate programs to your lab TA. The technical knowledge on how to accomplish these tasks is found in the assigned reading or the lecture notes, but the lab TA will help as well.

In this lab, we finally move away from the primitive tools of notepad and the command line and look at a more sophisticated Integrated Development Environment (IDE) - BlueJ.

1. BlueJ is freely available. So, in addition to using it in the lab, you are free to download it and use it on your personal machine. Go to <http://www.bluej.org> and familiarize yourself with BlueJ. Click on "documentation" and then "The BlueJ Tutorial". You should read the full tutorial some time within the next week. You are not expected to read the whole thing in lab.
2. The goal of this lab is to get "Hello World" working using the BlueJ IDE.
3. You can start BlueJ on your lab machine by clicking Start->programming->BlueJ
4. Click Project->New Project ; give the project a name and create it
5. Click "New Class" ; give the new class a name. (You want just a simple "Class" selected).
6. Right click on the box that represents your newly created class and open the editor. Note that you still have the main window available.
7. Use the editor to change the "sampleMethod" method to be a proper "main" method for your "Hello World" program.
8. Click "Class->Save" to save your changes.

9. Click “Compile” to compile your changes. If you have no syntax errors, throw one in (remove a semicolon), save and recompile just to see how compile errors are reported. Fix any errors and recompile
10. Back in the main window, right click on the box representing your class, then click on the line that represents the main method to run the method. Your output will show up in a new window.
11. Open a “windows explorer” file viewer and navigate to the directory that was created by your new project. What files have been created?
12. Take a screen shot showing the 4 windows. Paste it into your lab report document and hand it into the TA.
13. You are done with the lab, but we will be using BlueJ throughout the semester – exploring it's features and using it to study Object Oriented Java programs. Read the tutorial to become familiar with it.

NOTE: We should have electronic hand in working next week. Please be patient with the current paper based hand in.