*Week #1*
# Lab Sessions LAB01, LAB02, LAB03

CSE 1710, Fall 2011, Version 2.0


Students should complete the following steps.  If these steps cannot be completed within the allotted lab session, then it is the student's responsibility to complete these steps on his or her own prior to the next lab session.   In the next lab session, the assumption will be made that you can log in, create a new project and create and run a small app within that project.

## GOALS

1. Accomplish a successful login.
2. Achieve basic Eclipse literacy.
3. [optional] Set up your personal development environment

## STEPS
1. If you do not already have a cse***** account, then read and follow the steps contained within "Obtaining an Account"
2. Log into one of the MISS machines (in CSEB 1002) with your cse***** account credentials.
3. Make use of the following Eclipse resources (choice up to you)
   - Tutorial from the textbook website:
     http://www.cse.yorku.ca/java/api/type/eclipse.html
     {skip the part about downloading and installing Eclipse, move directly to the part that says "Follow these steps carefully in order to configure Eclipse:" and do steps 2-4.  Step 1 is about installing Eclipse (already done on the lab machines). Steps 5-6 are optional.
     - In the textbook tutorial, in step 2.D. it says 'In the Formatter screen, click the "Show..." button and select the "Braces" tab.'.  However, in the current version of Eclipse, there is no Show button.  You should instead click the "New" button instead and give the new profile a name.
   - this super-pared-down video tutorial on YouTube:
     http://www.youtube.com/watch?v=Ft0oD_F6-ac
     alternative: search for "Basic Eclipse Tutorial" on YouTube and select the one from "samirollins".
   - Any other basic Eclipse tutorial "How to create a project"
4. Create a new workspace called "workspace_ cse1710"
5. Create a new project called "lab1"
6. Within the project, re-create the app found in Fig 1.1 of Java By Abstraction, p.7.  Run the app. Experiment with syntax and formatting variations.  Experiment with the program in whichever way will assist you to understand its structure and function.

If all of the above is review and super-easy for you, then complete Lab L2.5, L2.6 and L2.7 (found in Java By Abstraction, pp 85-87).

## YOUR PERSONAL DEVELOPMENT ENVIRONMENT

The lab machines are available to all students to complete their coursework.  However, many students wish to recreate the development environment on their own laptops or home machines.  This is not difficult to do, but may take some time and tweaking.

There is a useful set of instructions on the textbook website: http://www.cse.yorku.ca/~roumani/jba/lab2/
Notes:

- These instructions include steps to install the TYPE software, which contains, among other things, the UniCon application. We will not be using UniCon in this course; we are using Eclipse instead.
- To install Eclipse on your own machine, follow the instructions in the first two paragraphs from http://www.cse.yorku.ca/java/api/type/eclipse.html

## OBTAINING AN ACCOUNT
*Adapted with minor modifications from*
*http://www.cse.yorku.ca/%7Eroumani/jbaYork/GuidedTour.pdf*

The following tasks enable you to obtain an account through which you gain (direct and remote) access to the CSE Department's computing facilities. Note that this *cse* account will remain yours throughout your studies and that it is different from your *yorku* account.

1. Go to CSEB1006, find a free workstation, and login as **newuser** (no password required).
2. You will be prompted for information required to create a new account (ID number, password, address, telephone, and your acceptance of certain Prism use conditions). Enter the information as requested. Make sure you memorise the password you chose, as you will need it to login to your account later.
3. Log out as follows: move the mouse to the desktop (away from any open window), press and hold the right button, highlight *Quit*, and then release the button. Confirm in the next window that you do want to quit the session.
4. Go to the Lab Monitor and present your York ID (or another photo ID) and sessional card (or proof of registration; e.g. a letter from the Registrar Office). The monitor normally sits in the booth near the main doors.
5. The monitor will validate the information you entered and then ask you to sign a statement acknowledging that you have read, and do agree with, the *Prism Use Policy*. If you like, you can ask the monitor for a copy of the Policy so you can read it and come back after you do.
6. The monitor will create your account and give you a login ID (also known as a username). Note that it may take up to 30 minutes before your account becomes active.