CST8110 - Introduction to Programming
Lab Exercise #1 – the Algonquin Environment

DUE: **All parts of this assignment must be completed and demonstrated to lab professor in the lab period within the first two weeks of classes (by September 21, 2009).**

In this lab you will explore the Algonquin College environment and become familiar with the tools you need for computer access.

1. ***Be able to log on and access a college lab computer.*** To log on to a lab computer you will need to know:
- your Algonquin Userid (which is the first four letters of your last name, and a four digit random number - this can be retrieved from ACSIS via the www.algonquincollege.com website)
- your password (from the bottom of your timetable)
- the domain (which is always Woodroffe).

2. ***Reference important Algonquin College websites*** – for most of these you should use Internet Explorer.
- www.algonquincollege.com/its – this website is where you can find information about how to dial in from home to the college network, how to configure your email, accounts and quotas, how to get help with network or computer issues, etc. Most of the subjects here are "hardware" related.
- elearning.algonquincollege.com – this website is where you can find information about the "software" in use at the college. In particular there is information about Blackboard - the course management software used by Algonquin.
- online.algonquincollege.com – this is the access to BLACKBOARD. Under the "Students" tab there is access to much information - including some about email.

3. ***Configure, retrieve and send email.*** Your email address is Userid@algonquincollege.com where userid is the same as #1 above.
- You must get in the habit of retrieving your email every day.
- You can either use the website http://webmail.algonquincollege.com to access your email, or you can configure and other email client (Outlook, Outlook Express, etc.) and use it.
- **NOTE:** If you prefer to use an email address other than your Algonquin issued one, you must update your profile in ACSIS to reflect this new account. ***You are responsible for receiving all emails that are sent to the address in your profile.***
- To ensure this is working - I want you to send your lab professor an email saying hello - and tell your lab instructor the secret number that is in the email I sent you! My email address is cranel@algonquincollege.com. Your lab professor's address is either:

      o   brandor@algonquincollege.com (Robert Brandon)
      o   synowsj@algonquincollege.com (John Synowski)
      o   piedas@algonquincollege.com (Stanley Pieda)

4. *Access this course in Blackboard,*

- via **http://online.algonquincollege.com**. Use your network userid and password to get into this system. Check out the 09F_CST8110_010 course in your list of available courses and look at:
- Course Documents - this is all the content information and documents needed for this course.
- Labs - be sure you can find a copy of this lab - all the other labs and assignments will be posted there. I will not be printing this out for you.
- Hybrid Activities – found also under Labs tab.
- Discussion Board - for asking questions. To get us started, read my introduction and post one of your own and read everyone else's so we can get to know each other.
- Communication - to send emails to me and each other.

5. *Practice using the Command Line and Java RTE.*

- Type in the following code via Notepad (Start…Accessories…Notepad) or Textpad if you have it installed (Start…Textpad)and save it on your N: drive as JavaMain.java in directory CST8110Labs. This file is also found in my Course Notes (Blackboard…Course Documents…Overview of PC and Java. Note - you should not feel like you understand any of the statements in this program. We will learn how they all work over the next month.

```java
import java.lang.*;              //all import statements must be first
/**  Illustrating how to write a simple java class and how to
  *   write a main function in Java
  *   @version 1
  *   @see java.lang.String
  */
class JavaMain {
    public static void main (String[] argv) {
        int stringLength = argv.length;
        if (stringLength == 0)
            System.out.print ("\nWho Loves Java: )?");
        else
            System.out.print ("\n" + argv[0] + " Loves Java: )");
    } // end of main
}// end of class
```

- Select Start….Run…..enter cmd to get into command line mode
- Prompt should be C:\Documents and Settings>
- Change directory to where .java source file is > cd N:\CST8110Labs
- To compile the program: n:\CST8110Labs> javac JavaMain.java
- Fix any errors that are displayed
- To execute the program: n:\CST8110Labs> java JavaMain
- You should see the display   Who Loves Java :)?

YOU WILL KNOW YOU ARE DONE THIS LAB WHEN YOU HAVE:

- read my email and sent your **Lab professor** one back (Part 3 above)
- posted an introduction to yourself in the Discussion Board in Blackboard – don't forget to subscribe to the Discussion Board so that you receive updates anytime someone posts there(Part 4 above)
- demonstrated to your Lab Professor that your Java program is running (Part 5 above)