# Lab 1, Part B - Entering and Running JAVA programs using Dr. Java

1. Open a web browser and navigate to the Dr.Java website, <http://www.drjava.org/>. In the **Current Stable Release** section of the page, click on the button **Download Windows App** to download Dr.Java from SourceForge.net. Once downloaded, there is nothing to install, just double-click on the file, and click on the **Run** button to launch Dr.Java.
2. Type the following Java application program into Dr.Java and replace the capital A with the first letter of your last name. After you have entered the program, click on the **Compile** button located on the menu bar. Correct any syntax errors that are displayed at the bottom of the window in the **Compiler Output** section. To run the java application, click **Run** on the menu bar.

**public class TestProgram{**

**public static void main( String[] args ) {**

**char someLetter = 'A';**

**System.out.println("My last name begins with the letter " + someLetter + "!" ) ;**

**}**

**}**

1. Save a copy of your TestProgram.java file to submit for the lab. If you want to retain your TestProgram.java source code, save a copy on your USB storage device or your Dropbox account.
2. Repeat the process outlined in steps1 - 3 above to enter the program listed below:

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// <**Your Name**>

// PrintName application

// This application inputs a name and prints it in two different formats

//

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**import java.util.Scanner;**

**public class PrintName**

**{**

**static final char COMMA = ',';**

**static final char BLANK = ' ';**

**public static void main(String[] args){**

**String first; // Person's first name**

**String last; // Person's last name**

**String middle; // Person's middle initial**

**String firstLast; // Name in first-last format**

**String lastFirst; // Name in last-first format**

**Scanner in; // Input object**

**in = new Scanner(System.in);**

**System.out.print("Enter first name: "); // Prompt for first name**

**first = in.nextLine(); // Get first name**

**System.out.print("Enter last name: "); // Prompt for last name**

**last = in.nextLine(); // Get last name**

**System.out.print("Enter middle initial: "); // Prompt for middle initial**

**middle = in.nextLine(); // Get middle initial**

**firstLast = first + BLANK + last; // Generate first format**

**System.out.println("Name in first-last format is " + firstLast);**

**lastFirst = last + COMMA + BLANK // Generate second format**

**+ first + COMMA + BLANK;**

**System.out.println("Name in last-first-initial format is "**

**+ lastFirst + middle + ".");**

**}**

**}**

Be sure to include all of the comments and replace “Your Name” with your actual name. Compile the PrintName program in the same manner as before, correct any syntax errors, then execute the PrintName program and make any corrections in your program until you get the correct output on the computer screen. Save a copy of your PrintName.java file.

1. Upload both files, **TestProgram.java** and **PrintName.java**, to the assignment link in Blackboard.