

CSCI-101 Programming 1

Week of Sep 5 - Lab 3, Part a

INSTRUCTIONS

Log into cs.bridgewater.edu and navigate to your **labs** directory.

Rename **Lab1.java** to **Lab2.java** using the following **mv** command:

```
$ mv Lab1.java Lab2.java
```

Inside the **labs** directory use **vi** to create a file named **Lab3a.java** and write a program that does the following:

- Ask the user to enter 3 integers.
- Read the 3 integers into three integer variables named **num1**, **num2**, and **num3**.
- Declare an integer named **max** and initialize it to the value **Integer.MIN_VALUE**.
- Use conditional statements to compute the maximum of the the three values stored in **num1**, **num2**, and **num3** storing the result in the variable **max**.
- Print "The maximum value is " followed by the value in the variable **max**.
- Declare an integer named **min** and initialize it to the value **Integer.MAX_VALUE**.
- Use conditional statements to compute the minimum of the the three values stored in **num1**, **num2**, and **num3** storing the result in the variable **min**.
- Print "The minimum value is " followed by the value in the variable **min**.
- Declare an integer **count** and initialize it to **0**.
- Use conditional statements to compute how many of the values in **num2** and **num3** are equal to the value in **num1**. Store the result in the variable **count**.
- Print to the screen "The number of inputs equal to the first is " followed by the value in the variable **count**.

After you've written the program, compile the program and test it until you are confident that it is correct. If it is not correct, try to debug the code, resave, recompile, and retest.

Once you are confident that the program works properly, use git commands to update your GitHub repository. Confirm your files on GitHub by inspecting the repository on [GitHub.com](https://github.com).