

CSCI-101 Programming 1

Lab 6, Part a - Week of October 10

INSTRUCTIONS

Log into cs.bridgewater.edu.

Change your working directory to your **labs** directory in your repository.

Inside the labs directory use **vi** to create a file named **Lab6a.java**.

Inside the **Lab6a.java** file write a program that satisfies the following:

1. Add a method named **brainwash** that simply prints "McGregor is awesome!" to the screen.
2. Add a method named **myIQ**. The method simply returns the value 130.
3. Add a method named **doubleThaNum**. The method has a single integer parameter and returns 2 times the value that is passed to the method.
4. Add a method named **meanJoeGreene**. The method has 2 integer parameters and returns the mean of the two values passed into the method.
5. Add a method named **theyAintEqual**. The method has 2 integer parameters and returns true if the values in the parameters are not equal; otherwise it returns false.

In the main method

1. Call the method named **brainwash** 100 times using a for-loop.
2. Print the value returned by **myIQ**.
3. Ask the user to enter an integer. Read the integer from the keyboard and store it in a variable. Double the value read from the keyboard by calling **doubleThaNum** and print the value returned by the method.
4. Ask the user to enter 2 integers. Read the integers from the keyboard and store them in two variables. Compute the mean of the two values read from the keyboard by calling **meanJoeGreene** and print the value returned by the method.
5. Determine if the two values read in problem 4 are unequal by using **theyAintEqual**. Print the value returned by the method.