

Setup Your Repository

Log into cs.bridgewater.edu

Use the **cd** command to change your working directory to the **github** directory.

```
$ cd github
```

Now use the **cd** command to change your working directory to the repository that you cloned from Github.com. In the command below replace **USERNAME** with your BC username.

```
$ cd USERNAME
```

Use the **pwd** command to verify that your working directory is correct.

```
$ pwd
```

Your working directory should be similar to the path shown below, but where **USERNAME** is your BC username.

```
/home/USERNAME/github/USERNAME
```

Use the **mkdir** command to make a directory named **csci101**.

```
$ mkdir csci101
```

Use the **cd** command to change your working directory to your new **csci101** directory.

```
$ cd csci101
```

Use the **mkdir** command to make a directory named **lab1**.

```
$ mkdir lab1
```

Use the **cd** command to change your working directory to your new **lab1** directory.

```
$ cd lab1
```

Write Some Code

User **vi** to create a file named **Lab1.java**.

```
$ vi Lab1.java
```

Add code to your **Lab1.java** file so that it satisfies the following:

- Add a statement to import `java.util.Scanner`.
- Define a class named **Lab1**.
- Inside the **Lab1** code block add a **main** method.
- Inside the code block of the **main** method do the following:
 - Declare an variable whose type is **Scanner** and whose named **kb** and initialize it to a Scanner that can read from the keyboard.
 - Use a print statement to ask the user to enter a quiz score.
 - Declare a variable **score1** that can hold an integer and initialize it to the value entered by the user.
 - Use a print statement to ask the user to enter a second quiz score.
 - Declare a second variable name **score2** that can hold an integer and initialize it to the second value entered by the user.
 - Declare a variable named **sum** that can hold an integer and initialize it to the sum of the values in **score1** and **score2**.
 - NOTE: In Java the division operator is the `/` symbol.
 - Declare a variable whose type is **double** and whose name is **meanAverage** and initialize it to the value stored in the variable named **sum** divided by **2.0**.
 - Print to the screen "The mean average is " followed by the value stored in the variable **meanAverage**.

Compile and run your code. If your program runs properly, continue. If not, debug your code until you have a properly working program.

Push Your Code to GitHub.com

Add **Lab1.java** to the staging of your repository.

```
$ git add Lab1.java
```

Commit your change to your repository on cs.bridgewater.edu.

```
$ git commit -m 'Added lab1'
```

Push your code to GitHub.

```
$ git push
```