

CSCI-101 Programming 1

Lab 4a

INSTRUCTIONS

Log into cs.bridgewater.edu.

Change your working directory to your **csci101/labs** directory in your repository.

Make a directory named **lab4**. Then change your working directory to **lab4**.

Inside the **lab4** directory use **vi** to create a file named **Lab4a.java**.

Inside the **Lab4a.java** file write a program that does the following:

1. Allocate an array named **arr1** that can hold 10 integers.
2. Print to the screen "**Length:** " followed by the length of **arr1**.
3. Use a for-loop to print the elements in **arr1** to the screen on a single line.
4. Ask the user to enter in 10 integers.
5. Use a **for-loop** to read in the values and store the values in **arr1**.
6. Use a for-loop to print the elements in **arr1** to the screen on a single line.
7. Use a for-loop to compute the sum of the values in **arr1**. Print to the screen "**Sum:** " followed by the sum.
8. Compute the mean average of the values in **arr1** and print to the screen "**Mean:** " followed by the mean average.
9. Use a **for-loop** to find the smallest value in **arr1**. Print to the screen "**Min:** " followed by the smallest value.
10. Use a **for-loop** to find the largest value in **arr1**. Print to the screen "**Max:** " followed by the largest value.