CSCI-101 Programming I

Lab 9

INSTRUCTIONS

Log into cs.bridgewater.edu and change your working directory to your **csci101** directory. Create a directory named **lab9** and change your working directory to **lab9**. Inside the **lab9** directory create a file named **Lab9.java**.

Inside the **Lab9.java** file write a program that does the following:

1. Allocate an array named **array1** that can hold 10 integers.
2. Print to the screen “Length: “ followed by the length of **array1**.
3. Print to the screen the values of the elements in **array1**, all on a single line with spaces between them.

4. Ask the user to enter 10 integers with spaces between them.
5. Use a for-loop to read the integers from the keyboard and store the values in **array1**.
6. Print to the screen the values of the elements in **array1**, all on a single line with spaces between them.

7. Use a for-loop to compute the sum of the values in **array1**, then print "**Sum:** " followed by the sum.

8. Use a for-loop to count how many elements in **array1** are even, then print "**Num even:** " followed by the number that are even.

9. Ask the user to enter an integer.
10. Read the value entered by the user into a variable named **input**.

11. Use a for-loop to count how many elements in **array1** are equal to the value in the variable **input**, then print “**Num equal to Input:** " followed by the count.

12. Use a for-loop to determine the largest value that is stored in **array1**, then print to the screen “**Largest:** “ followed by the largest value in **array1**.