

CSCI-101 Programming I

Lab 6b

INSTRUCTIONS

Inside the **lab6** directory create a file named **Lab6b.java**. Inside the **Lab6a.java** file write a program that does the following:

1. Create an array named **array1** that can hold 10 integers.
2. Populate the array using values read from the keyboard.
3. Write a method named **printArray** that takes an array of integers as an argument and prints the values in the array to the screen.
4. Print the values in the array by calling **printArray**.
5. Write a method named **sumArray** that takes an array of integers as an argument and returns the sum of the elements in the array.
6. Compute the sum of the elements in the array by calling **sumArray**.
7. Print to the screen "**Sum:** " followed by sum of the elements in the array.
8. Write a method named **meanAverage** that takes an array of integers as an argument and returns the mean average (double) of the elements in the array.
9. Compute the mean average of the elements in the array by calling **meanAverage**.
10. Print to the screen "**Mean average:** " followed by the mean average of the elements in the array.
11. Write a method named **max** that takes an array of integers as an argument and returns the largest value in the array.
12. Determine the largest value in the array by calling **max**.
13. Print to the screen "**Max:** " followed by the largest value in the array.
14. Write a method named **min** that takes an array of integers as an argument and returns the smallest value in the array.
15. Determine the smallest value in the array by calling **min**.
16. Print to the screen "**Min:** " followed by the smallest value in the array.