

CSCI-101 Programming 1

Lab 4b

INSTRUCTIONS

Inside the **lab4** directory use **vi** to create a file named **Lab4b.java**.

Inside the **Lab4b.java** file write a program that does the following:

1. Allocate an array named **arr1** that can hold 10 integers.
2. Ask the user to enter 10 integers from the keyboard.
3. Store the integers that the user types into **arr1**.
4. Use a **for-loop** to print the elements in **arr1** to the screen on a single line.
5. Use a for-loop to count how many elements in **arr1** are greater than 5. Print to the screen "**count gt 5:** " followed by the *count*.
6. Use a for-loop to count how many elements in **arr1** are even. Print to the screen "**count even:** " followed by the *count*.
7. Use a for-loop to count how many elements in **arr1** are even and greater than 5. Print to the screen "**count even and gt 5:** " followed by the *count*.
8. Use a for-loop to count how many elements in **arr1** are odd or less than or equal to 5. Print to the screen "**count odd or lte 5:** " followed by the *count*.