

CSCI-101 Programming I

Lab 5c

INSTRUCTIONS

Inside the **lab5** directory create a file named **Lab5c.java**.

Inside the **Lab5c.java** file write a program that does the following:

1. Allocate an array that can hold 20 integers.
2. Declare an int named **command**.
3. In a do-while repeat the following until the value in **command** is 5.
 - Display the following menu (along with the numbers) to the user.
 1. Add
 2. Delete last
 3. Print all
 4. Sum all
 5. Exit
 - Ask the user to enter a command (1 - 5).
 - Read in the value entered by the user and store it in **command**.
 - If the user enters 1, if there is no room in the array print "array full"; otherwise ask the user for an integer, read the value from the keyboard, and store the value to the next unused cell in the array.
 - If the user enters 2, delete the last integer added to the array.
 - If the user enters 3, print the values in the array to the screen.
 - If the user enters 4, compute the sum of the values in the array and print the sum to the screen.