CSCI-101 Programming I

Lab 7

INSTRUCTIONS

Create a directory named **lab7** inside the **csci101** directory in your repository. Change your working directory to your **lab7** directory.

Inside your **lab7** directory create a file named **Lab7.java**. Inside the **Lab7.java** file write a program that does the following:

1. Use a for-loop to print to the screen on a single line the integers between 10 to 20 (inclusively) with spaces between them.

2. Use a for-loop to print to the screen on a single line the integers that are between 1 and 100 (inclusively) and are divisible by 5 or are divisible by 7.

3. Ask the user to enter 5 integers. Use a for-loop to read in the values and compute the sum of the values. Print to the screen "Sum " followed by the sum.

4. Ask the user to enter 5 integers. Use a for-loop to read in the values and count the number of values entered by the user that are greater than 50. After the user has entered the 5 integers, print to the screen “Count: “ followed by the number that are greater than 50.

5. Ask the user to enter an integer. Read the value into a variable named **length**. Use nested for-loops (a for-loop inside another for-loop to print **length** number of lines with **length** number of 0’s in each line with spaces between them. For example if the user entered 4, then your program should print the following:

```
0 0 0 0
0 0 0 0
0 0 0 0
0 0 0 0
```