

CSCI-101 Programming I

Lab 3

INSTRUCTIONS

Create a directory named **lab3** inside the **labs** directory in your repository. Change your working directory to your **lab3** directory.

Inside your **lab3** directory create a file named **Lab3.java**. Inside the **Lab3.java** file write a program that does the following:

Note: For each of the tasks below, assume the bounds are inclusive meaning including the endpoints.

1. Use a while-loop to print to the screen on a single line the values from 1 to 100,000.
2. Use a while-loop to compute the sum of the values between 1 and 100,000. Print to the screen "Sum: " followed by the sum.
3. Use a while-loop to print to the screen the multiples of 1000 that are between 1 and 100,000.
4. Ask the user to enter a sequence of integers with 0 being the last value of the sequence. Use a while-loop to compute the sum and a count of the number of non-zero values entered by the user. When the user enters 0, exit the loop and print the mean average of the values entered by the user.