

CSCI-101 Programming I

Lab 6

INSTRUCTIONS

Create a directory named **lab6** inside the **csci101** directory in your repository. Change your working directory to your **lab6** directory.

Inside your **lab6** directory create a file named **Lab6.java**. Inside the **Lab6.java** file write a program that does the following:

1. Use a while-loop to print to the screen on a single line the integers between 1 to 10 (inclusively) with spaces between them.
2. Use a while-loop to print to the screen on a single line the even integers that are between 1 and 20 (inclusively).
3. Use a while-loop to compute the sum of the values between 1 and 10 (inclusively). Print to the screen "Sum: " followed by the sum.
4. Ask the user to enter 5 integers. Use a while-loop to read in the values and count the number of values entered by the user that are even. After the user has entered the 5 integers, print to the screen "Even count: " followed by the number that are even.
5. 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 of the number of non-zero integers entered by the user. When the user enters 0, exit the loop and print the mean average of the values entered by the user.