

CSCI-101 Programming 1

Lab 4, Part b - Week of September 12

INSTRUCTIONS

Log into cs.bridgewater.edu.

Change your working directory to your **labs** directory in your repository.

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

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

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

1. Use a while-loop to print the values between 1 to 20.
2. Use a while-loop to print the values between 20 to 1.
3. Use a while-loop to compute the sum of the values between 1 and 20. Print the sum to the console.
4. Use a while-loop to print the odd values between 1 and 20.
5. Use a while-loop to print the even values between 1 and 20.
6. Use a while-loop to print the multiples of 3 between 1 and 20.
7. Use a while-loop to print the multiples of 3 and the multiples of 5 between 1 and 20, once each.
8. Use a for-loop to print the values between 1 to 20.
9. Use a for-loop to print the values between 20 to 1.
10. Use a for-loop to compute the sum of the values between 1 and 20. Print the sum to the console.
11. Use a for-loop to print the odd values between 1 and 20.
12. Use a for-loop to print the even values between 1 and 20.
13. Use a for-loop to print the multiples of 3 between 1 and 20.
14. Use a for-loop to print the multiples of 3 and the multiples of 5 between 1 and 20, once each.