

Lab 8: Java Basics

UWYO COSC 2030

1 Introduction to Java

This lab introduces the basics of Java. The lecture slides on Java, online documentation, and resources like StackOverflow can all provide support as you learn the syntax of a new programming language. The documentation below may be useful:

Java Documentation: <https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html>

GeeksforGeeks Guide: <https://www.geeksforgeeks.org/collections-in-java-2/>

Compile your Java file on Linux using `javac lab8.java`, where the class name matches the file name (case sensitive). Then run the program using `java lab8`.

2 Assignment

Accept the assignment here: <https://classroom.github.com/a/Hvguw2DG>

Your Java program will:

- Accept input from an input file
- Convert the input to lowercase characters
- Add each processed word to a vector
- Sort the vector alphabetically using built-in functions
- Print the contents of the vector to the console or to an output file

Make note of which option you choose inside your readme file.

3 Submission

Submit on Github Classroom. Remember to include a README.md file with your name and any assistance received.