

Lab 8: Basic Java

UWYO COSC 2030

Introduction:

Now that you've spent all semester learning to enjoy working with C++, it's time to depart from using C++. Say 'Bye, C++!' Now it's time to use a language that is used much less often these days, because to understand high level languages such as Python, you ought to understand where they come from. In a lot of ways, Java behaves in much the same way as C++. So try not to worry too much about the new syntax.

Lab 8:

First, go ahead and accept the assignment: <https://classroom.github.com/a/wv4ZwylL>

Then, you'll need to do some research. Sorry, I know it's rude to ask you to do a bunch of tasks in a language that is brand new to you, but I think once you start writing that you'll realize that they aren't so bad. Basically, what I want from you is a program that:

1. Accepts input from an input file. ([this](#) may help with that.)
2. Cleans the word to be all lowercase characters (think about cleanWord in the programs)
3. Add the processed word to a vector
4. Sort the full vector alphabetically (there are builtin functions for just this)
5. Then, either print the contents of the vector to the console or to an output file

Everything in that list should feel familiar, because you've done it all. Now it's just about making sure you at least half-understand Java syntax. Just enough to put Java Developer on your linkedin profile.

Submission:

Push your singular Lab8.java file and your README.md to GitHub, as well as the output.txt file if you decide to go that route, **but nothing else**. This week I will take points for submitting extra files (yes, this includes a.out). Make sure you submit by April 20th at 11:59 pm.