Week 5 Exercises Part1

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Exercise1: Zip codes

Starter code:

https://github.com/sandraleeusc/csci104_fall2020_lecture/blob/master/map_zip.cpp

Data file:

https://github.com/sandraleeusc/csci104_fall2020_lecture/blob/master/zipcodes.txt

Edit map_zip.cpp and view the data file zipcodes.txt

- We have written code to read in all the zipcodes in zipcodes.txt into a vector 'all_zips'
- Iterate through the zipcodes in 'all_zips' using an iterator
- 1. Create a map that stores zip codes as the keys and the number of occurrences as the value
- 2. Then Iterate through your map and print out your results
- 3. Sort the vector of zipcodes
- 4. Find the number of occurrences of the first zip code in sorted order without using the map
- 5. Bonus: How can you sort the pairs in the map?

Exercise 2: Practice Midterm Exam Question

This previous exam question will give you practice using STL container classes and designing your own class.

Here is the sample exam question:

https://github.com/sandraleeusc/csci104_fall2020_lecture/blob/master/magazine_blank.pdf

Please note that the function getValueOfMostRecentM does not need to be a constant member function. (Why?)