POTD51.1. Problem of the Day #51

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q51

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q51.sh
```

Your files for this problem will be in the `potd-q51` directory.

The Problem

The goal of today's POTD is to get you more familiar with dictionaries in C++. Though we cannot verify that you used a dictionary to complete this problem, we encourage you to use one. In your solution to this problem, you should create a dictionary and use an iterator to loop over the entries (maybe take a look at the `auto` keyword in C++). You will also be exposed to file io in C++ (something which is very useful in CS241).

Your job is to finish writing one function: `topThree`, in `potd.cpp`. This function takes in the name of a file, reads the entries of a file, and returns a vector containing the top three most occurring entries (in order from most frequent to least frequent in indicies 0 through 2). The file will always contain strings, and each string will have a unique frequency (i.e., you don't have to worry about breaking ties). Additionally, each of our input files will have at least 3 unique entries.

Example:

Running your code on the given example input file "in1.txt" should return a vector with the 0th entry being 66, the 1st entry being 44, and the 2nd entry being 73.

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

potd.cpp
not uploaded

Save & Grade | Save only

POTD 51

Total points: 0/1

Score: 0%

Question

Value: 1

History:

Awarded points: 0/1

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