POTD42.1. Problem of the Day #42

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q42

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-q42.sh
```

Your files for this problem will be in the potd-q42 directory.

The Problem

In lecture, we learned about hash table and how it is implemented. In today's POTD, we are going to practice how to use unordered_map, the hash table in c++ standard library. Finish the function common_elems which takes in 2 unordered_map references as parameters. It is supposed to take **out** all the common keys from mapA and mapB, and return a map containing the sum of their corresponding values.

You can read about unordered map here.

Example

Assume mapA contains {"a", 1}, {"b", 2}, {"c", 3} and mapB contains {"a", 4}, {"b", 5}, {"d", 6}, we should return a map containing {"a", 5}, {"b", 7} and mapA should be left with {"c", 3}, and mapB with {"d", 6}.

Upload Solution

Drop files here or click to upload.

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

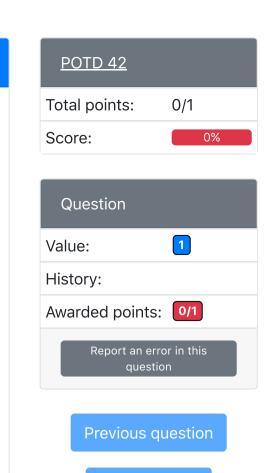
Files

O potd.cpp

not uploaded

Save & Grade

Save only



Next question