

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

potd.cpp

not uploaded

Save & Grade

Save only

POTD 42

Total points:

0/1

Score:

0%

Question

Value:

1

History:

Awarded points:

0/1

Report an error in this question

Previous question

Next question