POTD44.1. Problem of the Day #44

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q44

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-q44.sh
```

Your files for this problem will be in the `potd-q44` directory.

The Problem

Today's task is to implement some functions for a hash table that utilizes the separate chaining for collision resolution. You are given the HashTable class containing the required data variables and the constructor. The hash table itself is stored as an array of vectors, called `table`. The hashing function used is the Bernstein hash. It has already been implemented for you. You must implement the `insert()` and `contains()` functions. Note that the insert function must not allow duplicate keys to be inserted into the table.

Example Output:

```
Does the hash table contain bbb? 0
Does the hash table contain aaa? 1
Contents of the hash table:
ccc
aaa
```

Compile and Test

A complete Makefile and a `main.cpp` file containing one simple test has been provided for you.

Upload Solution

Drop files here or click to upload.

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

Files

- Hash.cpp
  not uploaded
- Hash.h
  not uploaded

Save & Grade | Save only

POTD 44

Total points: 0/1

Score: 0%

Question

Value: 1

History:

Awarded points: 0/1

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