

POTD26.1. Problem of the Day #26

Download and Extract

An initial setup of files is provided to you via a shell script: [Download potd-q26](#)

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-q26.sh
```

Your files for this problem will be in the potd-q26 directory.

The Problem

Complete the class `Stack` to implement a basic stack. Use the requirements listed below to determine the appropriate data structure to use.

The following member functions must be implemented in `Stack`:

- `int size()` - returns the number of elements in the stack (0 if empty)
- `bool isEmpty()` - returns true if the stack has no elements, else false
- `void push(int val)` - pushes an item to the stack in $O(1)$ time
- `int pop()` - removes an item off the stack and returns the value in $O(1)$ time. If the stack is empty, the behavior is undefined; segfaulting is acceptable. (The tests will not try to pop from an empty stack.)

We've included a `main.cpp` that will exercise your code.

Upload Solution

Drop files here or click to upload.

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

Files

☐ Stack.cpp

not uploaded

☐ Stack.h

not uploaded

Save & Grade

Save only

POTD 26

Total points:

0/1

Score:

0%

Question

Value:

1

History:

Awarded points:

0/1

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