Stacks

A stack is like a stack of plates. It's "last in, first out" (LIFO), which means the item that was put in the stack *most recently* is the first item that comes out.

Stacks have two main methods:

1. **`push()`** : adds an item
2. **`pop()`** : removes and returns the top item

They also include some utility methods:

1. **`peek()`** : returns the item on the top of the stack, without removing it.
2. **`isEmpty()`** : returns `true` if the stack is empty, `false` otherwise

See also:

- Queues (/concept/queue)
- Linked Lists (/concept/linked-list)
- Dynamic Arrays (/concept/dynamic-array-amortized-analysis)

Stack Coding Interview Questions

19✔ **Queue Two Stacks »**

Implement a queue with two stacks. Assume you already have a stack implementation. keep reading »

(/question/queue-two-stacks)

20✔ **Largest Stack »**

You've implemented a Stack class, but you want to access the largest element in your stack from time to time. Write an augmented LargestStack class. keep reading »

(/question/largest-stack)

All Questions ➡ (/all-questions)

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