AlgoExpert   Quad Layout   JavaScript   14px   Sublime   00:00:00

Our Solution(s)   Run Code

Solution 1

```javascript
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

class MinMaxStack {
  constructor() {
    this.minMaxStack = [];
    this.stack = [];
  }

  // O(1) time | O(1) space
  peek() {
    return this.stack[this.stack.length - 1];
  }

  // O(1) time | O(1) space
  pop() {
    this.minMaxStack.pop();
    return this.stack.pop();
  }

  // O(1) time | O(1) space
  push(number) {
    const newMinMax = {min: number, max: number};
    if (this.minMaxStack.length) {
      const lastMinMax = this.minMaxStack[this.minMaxStack.lengt
      newMinMax.min = Math.min(lastMinMax.min, number);
      newMinMax.max = Math.max(lastMinMax.max, number);
    }
    this.minMaxStack.push(newMinMax);
    this.stack.push(number);
  }

  // O(1) time | O(1) space
  getMin() {
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```javascript
// Feel free to add new properties and methods to the class.
class MinMaxStack {
  peek() {
    // Write your code here.
  }

  pop() {
    // Write your code here.
  }

  push(number) {
    // Write your code here.
  }

  getMin() {
    // Write your code here.
  }

  getMax() {
    // Write your code here.
  }
}

// Do not edit the line below.
exports.MinMaxStack = MinMaxStack;
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.