

Our Solution(s)Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System;
4 using System.Collections.Generic;
5
6 public class Program {
7     public class MinMaxStack {
8         List<Dictionary<string, int> > minMaxStack = new List<Dicti
9         List<int> stack = new List<int>();
10
11         // O(1) time | O(1) space
12         public int Peek() {
13             return stack[stack.Count - 1];
14         }
15
16         // O(1) time | O(1) space
17         public int Pop() {
18             minMaxStack.RemoveAt(minMaxStack.Count - 1);
19             var val = stack[stack.Count - 1];
20             stack.RemoveAt(stack.Count - 1);
21             return val;
22         }
23
24         // O(1) time | O(1) space
25         public void Push(int number) {
26             Dictionary<string, int> newMinMax = new Dictionary<string,
27             newMinMax.Add("min", number);
28             newMinMax.Add("max", number);
29             if (minMaxStack.Count > 0) {
30                 Dictionary<string, int> lastMinMax = new Dictionary<stri
31                 minMaxStack[minMaxStack.Count - 1]
32             );
33             newMinMax["min"] = Math.Min(lastMinMax["min"], number);
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

```
1 public class Program {
2     // Feel free to add new properties and methods to the class.
3     public class MinMaxStack {
4         public int Peek() {
5             // Write your code here.
6             return -1;
7         }
8
9         public int Pop() {
10            // Write your code here.
11            return -1;
12        }
13
14
15        public void Push(int number) {
16            // Write your code here.
17        }
18
19
20        public int GetMin() {
21            // Write your code here.
22            return -1;
23        }
24
25
26        public int GetMax() {
27            // Write your code here.
28            return -1;
29        }
30    }
31 }
32
```

```

1  def testMethod():
2      def foo():
3          def bar():
4              def baz():
5                  print(Method.__name__)
6              baz()
7          bar()
8      foo()
9      print(Method.__name__)
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100    print(Method.__name__)

```

Run or submit code when you're ready.