

Our Solution(s)

Run Code

Solution 1

Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(n) time | O(1) space - where n is the length of the array
5     func isMonotonic(array: [Int]) -> Bool {
6         if array.count <= 2 {
7             return true
8         }
9
10        var isNonDecreasing = true
11        var isNonIncreasing = true
12        for i in 1 ..< array.count {
13            if array[i] < array[i - 1] {
14                isNonDecreasing = false
15            }
16            if array[i] > array[i - 1] {
17                isNonIncreasing = false
18            }
19        }
20
21        return isNonDecreasing || isNonIncreasing
22    }
23 }
24
```

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 class Program {
2     func isMonotonic(array: [Int]) -> Bool {
3         // Write your code here.
4         return false
5     }
6 }
7
```

Our Tests

Custom Output

Submit Code

```

1 def test1():
2     program = Program()
3     testenv("Test Case 1") & (0) success = test 0
4     array = [0,1,2,3]
5     expected = [0,1]
6     actual = program.callTestFunction(array, array)
7     assertEqual(expected, actual)
8
9
10 testenv("Test Case 2") & (0) success = test 0
11 array = [0]
12 expected = [0]
13 actual = program.callTestFunction(array, array)
14 assertEqual(expected, actual)
15
16
17 testenv("Test Case 3") & (0) success = test 0
18 array = [0, 1]
19 expected = [0,1]
20 actual = program.callTestFunction(array, array)
21 assertEqual(expected, actual)
22
23
24 testenv("Test Case 4") & (0) success = test 0

```

Run or submit code when you're ready.