Our Solution(s)   Run Code   **Your Solutions**   Run Code

Solution 1   Solution 2   Solution 1   Solution 2   Solution 3

```swift
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 direction = array[1] - array[0]
11         for i in 2 ..< array.count {
12             if direction == 0 {
13                 direction = array[i] - array[i - 1]
14                 continue
15             }
16
17             if breaksDirection(direction: direction, previousInt: array[i - 1], cu
18                 return false
19             }
20         }
21
22         return true
23     }
24
25     func breaksDirection(direction: Int, previousInt: Int, currentInt: Int) -> Boo
26         let difference = currentInt - previousInt
27         if direction > 0 {
28             return difference < 0
29         }
30         return difference > 0
31     }
32 }
33
```

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

Custom Output   Raw Output   Submit Code

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

Run or submit code when you're ready.