

Our Solution(s)Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(n) time | O(1) space - where n is the length of the array
4 function isMonotonic(array) {
5   if (array.length <= 2) return true;
6
7   let direction = array[1] - array[0];
8   for (let i = 2; i < array.length; i++) {
9     if (direction === 0) {
10       direction = array[i] - array[i - 1];
11       continue;
12     }
13     if (breaksDirection(direction, array[i - 1], array[i])) {
14       return false;
15     }
16   }
17
18   return true;
19 }
20
21 function breaksDirection(direction, previousInt, currentInt) {
22   const difference = currentInt - previousInt;
23   if (direction > 0) return difference < 0;
24   return difference > 0;
25 }
26
27 exports.isMonotonic = isMonotonic;
28
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

```
1 function isMonotonic(array) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.isMonotonic = isMonotonic;
7
```

Run or submit code when you're ready.