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Xavier Carty Follow

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Monotonic Array

What is a monotonic array?

An array is *monotonic* if it is either monotone increasing or monotone decreasing.

Example …

```
Input: [1,2,2,3]
Output: true

Input: [1,3,2]
Output: false

Input: [1,2,4,5]
Output: true
```

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```
var isMonotonic = function(A) {
 let increasing = true
 let decreasing = true
```

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Next we have to check if the element before the current element or the element next to the current element is increasing or decreasing. If it is not we increasing we set increasing to false and if it is decreasing we set the decreasing value to false.

```
for(let i = 0; i < A.length; i++){

        if(A[i] > A[i+1]){
            increasing = false
        }

        if(A[i] < A[i+1]){
            decreasing = false
        }

    }
```

Then we check if it is either increasing or decreasing. and return that value.

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That is all. You can check this problem out on Leetcode and solve it. Here is the full code

```
var isMonotonic = function(A) {
    let increasing = true
    let decreasing = true

    for(let i = 0; i < A.length; i++){

        if(A[i] > A[i+1]){
            increasing = false
        }

        if(A[i] < A[i+1]){
            decreasing = false
        }

    }

    return increasing || decreasing
};
```

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