

Sumedh ahire
FYMCA-B 03
BATCH 1
ASSIGNMENT 1

CODE:

```
function isSorted(arr) {  
  // Handle edge cases: empty array or array with one element  
  if (arr.length <= 1) {  
    return 0;  
  }  
  
  // Check for ascending order  
  let isAscending = true;  
  for (let i = 1; i < arr.length; i++) {  
    if (arr[i] < arr[i - 1]) {  
      isAscending = false;  
      break;  
    }  
  }  
  
  // Check for descending order (only if not ascending)  
  if (!isAscending) {  
    let isDescending = true;  
    for (let i = 1; i < arr.length; i++) {  
      if (arr[i] > arr[i - 1]) {  
        isDescending = false;  
        break;  
      }  
    }  
    return isDescending ? -1 : 0;  
  }  
  
  return 1;  
}
```

```
// Example usage  
const arr1 = [1, 2, 3, 4, 5];  
const arr2 = [5, 4, 3, 2, 1];  
const arr3 = [1, 3, 2, 5, 4];
```

```
console.log(isSorted(arr1)); // Output: 1 (sorted ascending)  
console.log(isSorted(arr2)); // Output: -1 (sorted descending)  
console.log(isSorted(arr3)); // Output: 0 (not sorted)
```

OUTPUT:



```
1  
-1  
0
```