**Name:** Sakshi D. Kakade

**Class:** FY MCA **Div:** A **Batch:** A-1 **Roll No.:** 23

**Subject:** Advanced Web Technolgy

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**Assignment No.: 1**

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**Assignment Title: Write ECMA Script program that will return 1 if the array is sorted in ascending order, -1 if it is sorted in descending order or 0 if it is not sorted.**

**Sol:**

function checkSorting(arr) {

if (arr.length <= 1) return [arr, 0];

let ascending = arr[0] <= arr[1];

let descending = arr[0] >= arr[1];

for (let i = 1; i < arr.length - 1; i++) {

if (ascending && arr[i] > arr[i + 1]) return [arr, 0];

if (descending && arr[i] < arr[i + 1]) return [arr, 0];

}

if (ascending) return [arr, 1];

if (descending) return [arr, -1];

return { order : sortedorder, array: arr};

}

console.log(checkSorting([1, 2, 3]));

console.log(checkSorting([3, 2, 1]));

console.log(checkSorting([2, 1, 3]));

**Output:**

