Name-Pranav Lahitakr

Batch-A2

Class: FYMCA -A

Rollno:31

Assignment no-1

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

const readline = require("readline");

const rl = readline.createInterface({

input: process.stdin,

output: process.stdout

});

function checkSorted(array) {

let prev = array[0];

let order = 0;

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

let curr = array[i];

if (order === 0) {

if (curr > prev) {

order = 1;

} else if (curr < prev) {

order = -1;

}

} else {

if (order === 1 && curr < prev) {

order = 0;

break;

} else if (order === -1 && curr > prev) {

order = 0;

break;

}

}

prev = curr;

}

return order;

}

function stringToArray(string) {

return string.split(",").map(Number);

}

function processInput() {

rl.question("Enter a string of numbers separated by comma (or type 'exit' to quit):", (input) => {

if (input.toLowerCase() === 'exit') {

rl.close();

return;

}

let array = stringToArray(input);

let result = checkSorted(array);

console.log("Result:", result);

processInput();

});

}

processInput();

---------------------------------OUTPUT-------------------------------------

