Q1. **Write a program that takes in an array of integers and returns the second lowest number. Eg: Input: [10, 5, 3, 14, 8, 2] Output: 3**

let array = [10, 5, 4,7,14,8,2];

//let output = array.sort();// sort by alphabet

let n = array.length;

console.log(n);

array.sort(function(a, b){return a - b});

console.log(array[n-1]);//highest

console.log(array[0]);//lowest

console.log(array[1]);//2nd lowest

Q2. Combine two strings character wise like this First String : “abcdefg” Second String : “1234” Output String : “a1b2c3d4efg” in javascript

Ans

let s1 = "abcdefg";//7

let s2 = "1234";

let result = "";

// 1,2,3...10

for (let i = 0; i < s1.length || i < s2.length ; i++) {

if(i < s1.length){

// console.log(s1.charAt(i));

result = result + s1.charAt(i)

}

if(i < s2.length){

// console.log(s2.charAt(i));

result = result + s2.charAt(i)

}

}

console.log(result);

Q3. Print the pattern \* \*\*\* \*\*\*\*\* \*\*\*\*\*\*

Q4. let list = [10,20,30,10,20,30];

check if given array has multiple of 3 or not?

Ans

for(var i=0;i<list.length;i++){

if (list[i] % 3 == 0) {

console.log("given array has multiple of 3");

}

Return false;

}

Or

list.forEach(element => {

if (element % 3 == 0) {

console.log("given array has multiple of 3");

}

return false;

});