TEST1

1.

function moveZeros(num) {

let i = 0; // Pointer for iteration

let j = 0; // Pointer for swapping non-zero elements

while (i < num.length) {

if (num[i] !== 0) {

// Swap non-zero element to the front

[num [i], num [j]] = [num [j], num [i]];

j++;

}

i++;

}

}

**// Test case1**

const num1 = [0, 1, 0, 3, 12];

moveZeros(num1);

console.log(num1);

**Output:** [1,3,12,0,0]

**// Test case2**

const num1 = [0];

moveZeros(num1);

console.log(num1);

**Output:** [0]

2.

function firstUniqChar(s) {

const charCount = new Map();

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

const char = s[i];

charCount.set(char, (charCount.get(char) || 0) + 1);

}

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

const char = s[i];

if (charCount.get(char) === 1) {

return i;

}

}

return -1;

}

**// Test case1**

const s1 = leetcode";

console.log(firstUniqChar(s1));

**Output**: 0

**// Test case2**

const s2 = "loveleetcode";

console.log(firstUniqChar(s2));

**Output:** 2

**// Test case3**

const s3 = "aabb";

console.log(firstUniqChar(s3));

**Output:** -1