**Implementing Three-Way Partitioning in Arrays**

function threeWayPartition(array, a, b)

    {

         let low = 0, mid = 0, high = array.length - 1;

    while (mid <= high) {

        if (array[mid] < a) {

            [array[low], array[mid]] = [array[mid], array[low]];

            low++;

            mid++;

        } else if (array[mid] > b) {

            [array[mid], array[high]] = [array[high], array[mid]];

            high--;

        } else {

            mid++;

        }

    }

    return 1

    }

    console.log("Test Case 1");

let A1 = [1, 2, 3, 3, 4];

console.log("Original Array:", A1);

threeWayPartition(A1, 1, 2);

console.log("Modified Array:", A1);

console.log("\nTest Case 2");

let A2 = [1, 4, 3, 6, 2, 1];

console.log("Original Array:", A2);

threeWayPartition(A2, 1, 3);

console.log("Modified Array:", A2);