// Initialize the Array

let numbers = [5, 3, 8, 1, 2];

// Function to Add a Number

function addNumber(array, number) {

array.push(number);

}

// Function to Remove a Number

function removeNumber(array, number) {

const index = array.indexOf(number);

if (index > -1) {

array.splice(index, 1);

}

}

// Function to Sort the Numbers

function sortNumbers(array) {

return array.slice().sort((a, b) => a - b);

}

// Function to Calculate Sum

function calculateSum(array) {

return array.reduce((accumulator, currentValue) => accumulator + currentValue, 0);

}

// Function to Calculate Average

function calculateAverage(array) {

const sum = calculateSum(array);

return array.length > 0 ? sum / array.length : 0;

}

// Main Program

console.log("Original array:", numbers);

// Add a Number

addNumber(numbers, 7);

console.log("After adding 7:", numbers);

// Remove a Number

removeNumber(numbers, 3);

console.log("After removing 3:", numbers);

// Sort the Numbers

const sortedNumbers = sortNumbers(numbers);

console.log("Sorted numbers:", sortedNumbers);

// Calculate Sum

const sum = calculateSum(numbers);

console.log("Sum of numbers:", sum);

// Calculate Average

const average = calculateAverage(numbers);

console.log("Average of numbers:", average);