**1. Print Odd Numbers in an Array:**

// IIFE

(function() {

const numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];

for (let number of numbers) {

if (number % 2 !== 0) {

console.log(number);

}

}

})();

// Anonymous Function

const printOddNumbers = function() {

const numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];

for (let number of numbers) {

if (number % 2 !== 0) {

console.log(number);

}

}

};

printOddNumbers();

**2. Convert All Strings to Title Caps in a String Array:**

javascript

// IIFE

(function() {

const strings = ["hello", "world", "javascript"];

const titleCaseStrings = strings.map(str => str.charAt(0).toUpperCase() + str.slice(1));

console.log(titleCaseStrings);

})();

// Anonymous Function

const convertToTitleCaps = function() {

const strings = ["hello", "world", "javascript"];

const titleCaseStrings = strings.map(str => str.charAt(0).toUpperCase() + str.slice(1));

console.log(titleCaseStrings);

};

convertToTitleCaps();

**3. Sum of All Numbers in an Array:**

// IIFE

(function() {

const numbers = [1, 2, 3, 4, 5];

const sum = numbers.reduce((acc, num) => acc + num, 0);

console.log(sum);

})();

// Anonymous Function

const sumArray = function() {

const numbers = [1, 2, 3, 4, 5];

const sum = numbers.reduce((acc, num) => acc + num, 0);

console.log(sum);

};

sumArray();

**4. Return All Prime Numbers in an Array:**

// IIFE

(function() {

const numbers = [2, 3, 4, 5, 6, 7, 8, 9, 10];

const primes = numbers.filter(num => {

for (let i = 2; i < num; i++) {

if (num % i === 0) {

return false;

} }

return num > 1;

});

console.log(primes);

})();

// Anonymous Function

const getPrimeNumbers = function() {

const numbers = [2, 3, 4, 5, 6, 7, 8, 9, 10];

const primes = numbers.filter(num => {

for (let i = 2; i < num; i++) {

if (num % i === 0) {

return false;

}

}

return num > 1;

});

console.log(primes);

};

getPrimeNumbers();

**5. Return All Palindromes in an Array:**

// IIFE

(function() {

const strings = ["racecar", "hello", "level", "world"];

const palindromes = strings.filter(str => str === str.split('').reverse().join(''));

console.log(palindromes);

})();

// Anonymous Function

const getPalindromes = function() {

const strings = ["racecar", "hello", "level", "world"];

const palindromes = strings.filter(str => str === str.split('').reverse().join(''));

console.log(palindromes);

};

getPalindromes();

**6. Return Median of Two Sorted Arrays of the Same Size:**

// IIFE

(function() {

const arr1 = [1, 3, 5];

const arr2 = [2, 4, 6];

const merged = [...arr1, ...arr2].sort((a, b) => a - b);

const median = (merged[merged.length / 2 - 1] + merged[merged.length / 2]) / 2;

console.log(median);

})();

// Anonymous Function

const getMedian = function() {

const arr1 = [1, 3, 5];

const arr2 = [2, 4, 6];

const merged = [...arr1, ...arr2].sort((a, b) => a - b);

const median = (merged[merged.length / 2 - 1] + merged[merged.length / 2]) / 2;

console.log(median);

};

getMedian();

**7. Remove Duplicates from an Array:**

// IIFE

(function() {

const numbers = [1, 2, 2, 3, 4, 4, 5];

const uniqueNumbers = [...new Set(numbers)];

console.log(uniqueNumbers);

})();

// Anonymous Function

const removeDuplicates = function() {

const numbers = [1, 2, 2, 3, 4, 4, 5];

const uniqueNumbers = [...new Set(numbers)];

console.log(uniqueNumbers);

};

removeDuplicates();