**Print Odd Numbers in an Array**

const printOddNumbers = function(arr) {

arr.forEach((num) => {

if (num % 2 !== 0) {

console.log(num);

}

});

};

printOddNumbers([1, 2, 3, 4, 5]);

**Convert All Strings to Title Caps in a String Array**

const convertToTitleCaps = function(arr) {

return arr.map((str) => str.charAt(0).toUpperCase() + str.slice(1));

};

console.log(convertToTitleCaps(['apple', 'banana', 'cherry']));

**Sum of All Numbers in an Array**

const sumArray = function(arr) {

return arr.reduce((sum, num) => sum + num, 0);

};

console.log(sumArray([1, 2, 3, 4, 5]));

**Return All Prime Numbers in an Array**

const isPrime = function(num) {

if (num <= 1) return false;

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

if (num % i === 0) return false;

}

return true;

};

const primeNumbers = function(arr) {

return arr.filter((num) => isPrime(num));

};

console.log(primeNumbers([1, 2, 3, 4, 5, 6, 7]));

**Return All Palindromes in an Array**

const isPalindrome = function(str) {

const cleanStr = str.toLowerCase().replace(/[^a-zA-Z0-9]/g, '');

const reversedStr = cleanStr.split('').reverse().join('');

return cleanStr === reversedStr;

};

const palindromeArray = function(arr) {

return arr.filter((str) => isPalindrome(str));

};

console.log(palindromeArray(['racecar', 'hello', 'level', 'world']));

**Return Median of Two Sorted Arrays of the Same Size**

const findMedianSortedArrays = function(nums1, nums2) {

const merged = [...nums1, ...nums2].sort((a, b) => a - b);

const middle = Math.floor(merged.length / 2);

if (merged.length % 2 === 0) {

return (merged[middle - 1] + merged[middle]) / 2;

} else {

return merged[middle];

}

};

console.log(findMedianSortedArrays([1, 3], [2, 4]));

**Remove Duplicates from an Array**

const removeDuplicates = function(arr) {

return Array.from(new Set(arr));

};

console.log(removeDuplicates([1, 2, 2, 3, 4, 4, 5]));

**Rotate an Array by k Times**

const rotateArray = function(arr, k) {

const n = arr.length;

const rotated = [];

for (let i = 0; i < n; i++) {

const newIndex = (i + k) % n;

rotated[newIndex] = arr[i];

}

return rotated;

};

console.log(rotateArray([1, 2, 3, 4, 5], 2));

***USING Arrow function***

**Print Odd Numbers in an Array**

const printOddNumbers = (arr) => {

arr.forEach((num) => {

if (num % 2 !== 0) {

console.log(num);

}

});

};

printOddNumbers([1, 2, 3, 4, 5]);

**Convert All Strings to Title Caps in a String Array**

const convertToTitleCaps = (arr) => {

return arr.map((str) => str.charAt(0).toUpperCase() + str.slice(1));

};

console.log(convertToTitleCaps(['apple', 'banana', 'cherry']));

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console.log(sumArray([1, 2, 3, 4, 5]));

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return true;

};

const primeNumbers = (arr) => {

return arr.filter((num) => isPrime(num));

};

console.log(primeNumbers([1, 2, 3, 4, 5, 6, 7]));

**Return All Palindromes in an Array**

const isPalindrome = (str) => {

const cleanStr = str.toLowerCase().replace(/[^a-zA-Z0-9]/g, '');

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return cleanStr === reversedStr;

};

const palindromeArray = (arr) => {

return arr.filter((str) => isPalindrome(str));

};

console.log(palindromeArray(['racecar', 'hello', 'level', 'world']));