//Print odd numbers in an array

let a = [54,89,26,73,64,27,65]

let oddArray = []

let oddNumbers = ((array)=>{

array.forEach((val)=>{

if(val%2!==0) oddArray.push(val)

})

return oddArray

})(a);

console.log(oddNumbers);

//Convert all the strings to title caps in a string array

const value = "hello world";

let titleCase = ((str)=> {

str = str.toLowerCase().split(' ');

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

str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1);

}

return str.join(' ');

})(value);

console.log(titleCase);

//Sum of all numbers in an array

const array = [5,9,6,7,3,5,1];

let sumValues = 0;

let sum = ((val)=>{

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

sumValues+=val[i];

return sumValues;

})(array);

console.log(sum);

//Return all the prime numbers in an array

var arrayValues = [63, 78, 98, 45, 65, 87, 63, 1, 8 ,6, 9]

let primeArray = arrayValues.filter((val) => {

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

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

}

return true;

});

console.log(primeArray);

// remove duplicate elements from an Array

let arr = [5,9,6,5,7,3,1,9,7];

let removeDuplicates = ((arr)=> {

return arr.filter((item,

index) => arr.indexOf(item) === index);

})(arr)

console.log(removeDuplicates);

//rotate an array by k times

let array = [1, 2, 3, 4, 5]

let rotatedArray = ((arr) => {

arr.push(arr.shift());

return arr;

})(array);

console.log(rotatedArray);

// Print odd numbers in an array

let oddNumbers = (arr) => {

let oddArray = [];

arr.forEach((val)=>{

if(val%2!==0) oddArray.push(val)

})

return oddArray;

}

console.log(oddNumbers([1,2,3,4,5,6,7,8,9]))

// Convert all the strings to title caps in a string array

let titleCase = (str)=> {

str = str.toLowerCase().split(' ');

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

str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1);

}

return str.join(' ');

};

console.log(titleCase("hello welcome"));

//Sum of all numbers in an array

let sum = (val)=>{

let sumValues = 0;

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

sumValues+=val[i];

return sumValues;

};

console.log(sum([9,6,3,5,7,1]));

//Return all the prime number in an array

let primeArray = (numArray) => numArray.filter((number) => {

for (var i = 2; i <= Math.sqrt(number); i++) {

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

}

return true;

});

console.log(primeArray([2, 3, 4, 5, 6, 7, 8, 9, 10]));

//Return all the palindroms in an array

const palindromeArray = (words) => {

return words.filter((word)=> {

return word.split("").reverse().join("") === word;

});

};

console.log(palindromeArray(["dada", "mama", "amma","appa"]));