Do the below programs in anonymous function

Print odd numbers in an array

var num=[1,2,3,4,5,6];

var odd=[];

var oddnumbers=function(num)

{

for(var i=0;i<num.length;i++)

{

if((num[i]%2)!==0)

{

odd.push(num[i]);

}

}

};

console.log(odd);

Convert all the strings to title caps in a string array

const uppercased = names.map(function (name) {

return name.toUpperCase();

});

Sum of all numbers in an array

add = function(arr) {

return arr.reduce((a, b) => a + b, 0);

};

var arr = [3, 6, 1, 5, 8];

var sum = add(arr);

console.log(sum)

Return all the prime numbers in an array

Var checkPrime=function(number) {

if (number <= 1) {

return false;

} else {

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

if (number % i == 0) {

return false;

}

}

return true;

}

}

Return all the palindromes in an array

Var palindrome =function(str) {

var len = str.length;

var mid = Math.floor(len/2);

for ( var i = 0; i < mid; i++ ) {

if (str[i] !== str[len - 1 - i]) {

return false;

}

}

return true;

}

Remove duplicates from an array

Var getUnique=function (arr){

let uniqueArr = [];

for(let i of arr) {

if(uniqueArr.indexOf(i) === -1) {

uniqueArr.push(i);

}

}

console.log(uniqueArr);

}

const array = [1, 2, 3, 2, 3];

getUnique(array);

Do the below programs in arrow functions

Print odd numbers in an array

let arr = [1,2,3,4,5,6,7,8,9,10,11,12]

let odds = arr.filter(n => n%2)

console.log(odds)

Convert all the strings to title caps in a string array

const names = ['a', 'e', 'i', 'o'];

const uppercased = names.map(name => name.toUpperCase());

console.log(uppercased)

Sum of all numbers in an array

add = function(arr) {

return arr.reduce((a, b) => a + b, 0);

};

var arr = [3, 6, 1, 5, 8];

var sum = add(arr);

console.log(sum)

Return all the prime numbers in an array

const newArray = [1, 3, 2, 5, 10];

const myPrimeArray = newArray.filter(num => {

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

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

}

return num !== 1;

});

console.log(myPrimeArray);

Return all the palindromes in an array

let palindromeArray = (arr) => {

let isPalindrome = true;

for(let i = 0; i < arr.length / 2; i++) {

if(arr[i] !== arr[arr.length - i - 1]){

isPalindrome = false;

break;

}

}

return isPalindrome;

}