Do the below programs in anonymous function & IIFE

1.Print odd numbers in an array

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

var odds = function (arr){

for (var i=0;i<=arr.lenght;i++){

return arr[i]%2

}

}

console. log(arr(1,2,3,4,5,6,7,8,9,10,11,12));

2.Convert all the strings to title caps in a string array

function (str) {

return str.toLowerCase().split(' ').map(function(word) {

return (word.charAt(0).toUpperCase() + word.slice(1));

}).join(' ');

}

console.log(titleCase("converting string to titlecase"));

3.Sum of all numbers in an array

var array = [1, 2, 3, 4, 5,6,7];

var sum = array.reduce(function(a, b){

return a + b;

}, 0);

console.log(sum)

4. Return all the prime numbers in an array

const arr = [43, 6, 6, 5, 54, 81, 71, 56, 8, 877, 4, 4];

var const is Prime = function (n) {

if (n===1){

return false;

}else if(n === 2){

return true;

}else{

for(let x = 2; x < n; x++){

if(n % x === 0){

return false;

}

}

return true;

}

};

Var const primeSum = function(n ) {

let sum = 0;

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

if(!isPrime(arr[i])){

continue;

}

sum += arr[i];

}

return sum;

};

console.log(primeSum(arr));

5 .Return all the palindromes in an array

const arr = ['carecar', 1344, 12321, 'did', 'cannot'];

var const isPalindrome = function (el){

const str = String(el);

let i = 0;

let j = str.length - 1;

while(i < j) {

if(str[i] === str[j]) {

i++;

j--;

}

else {

return false;

}

}

return true;

};

const findPalindrome = arr => {

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

};

console.log(findPalindrome(arr));

6.Return median of two sorted arrays of same size

var arr=[1,2,3];

var arr\_2=[2,3,4];

var length\_1= console.log(arr.lenght);

var length\_2=console.log(arr\_2.length);

if(length\_1==length\_2){

median=yes;

}

Var sum1= function(a,b,c){

return a+b+c/3

}

median =console.log(sum\_1(1,2,3));

var sum2=function (x,y,z){

return x+y+z/3

}

median\_2=console.log(sum\_2(2,3,4));

7.Remove duplicates from an array

let chars = ['x', 'm', 'x', 'n', 'm'];

let dupChars = function (n,index) {

return chars.indexOf(n) !== index;

});

console.log(dupChars);

8..Rotate an array by k times

Do the below programs in arrow functions

1.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);

2.Convert all the strings to title caps in a string array

function titleCase(str) {

return str.toLowerCase().split(' ').map(function(word) {

return (word.charAt(0).toUpperCase() + word.slice(1));

}).join(' ');

}

console.log(titleCase("converting string to titlecase"));

3.Sum of all numbers in an array

var array = [1, 2, 3, 4, 5,6,7]

var sum = array.reduce((acc,ele)=>acc+ele);

console.log(sum);

4. Return all the prime numbers in an array

const arr = [43, 6, 6, 5, 54, 81, 71, 56, 8, 877, 4, 4];

const is Prime = n => {

if (n===1){

return false;

}else if(n === 2){

return true;

}else{

for(let x = 2; x < n; x++){

if(n % x === 0){

return false;

}

}

return true;

}

};

const primeSum = arr => {

let sum = 0;

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

if(!isPrime(arr[i])){

continue;

}

sum += arr[i];

}

return sum;

};

console.log(primeSum(arr));

5 .Return all the palindromes in an array

const arr = ['carecar', 1344, 12321, 'did', 'cannot'];

const isPalindrome = el => {

const str = String(el);

let i = 0;

let j = str.length - 1;

while(i < j) {

if(str[i] === str[j]) {

i++;

j--;

}

else {

return false;

}

}

return true;

};

const findPalindrome = arr => {

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

};

console.log(findPalindrome(arr));