1. Do the below programs in anonymous function & IIFE
   1. Print odd numbers in an array.

let arr=[12, 13, 15, 17, 28, 34, 99, 87,75, 33]

let temp=[]

let num=function(arr,n){

if(n===undefined)

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

if(arr[i]%2>0){

temp.push(arr[i]);

}

}

return temp;

}

console.log(num([12, 13, 15, 17, 28, 34, 99, 87, 75, 33]));

OUTPUT:

[ 13, 15, 17, 99, 87, 75, 33 ]

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

let titleCase=function(str,n) {

if(n===undefined)

return str.split(' ').map((word) => word[0].toUpperCase() + word

.slice(1).toLowerCase()).join(' ');

}

console.log(titleCase("Convert all the strings to title caps

in a string array"));

OUTPUT:

Convert All The Strings To Title Caps In A String Array

C. Sum of all numbers in an array.

let num=function(arr,b){

let sum=0;

if(b===undefined){

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

sum=sum+arr[i];

}

}

return sum;

}

console.log(num([34, 56, 87, 98, 39]));

OUTPUT: 314

d. Return all the prime numbers in an array

let numArray = [2, 3, 4, 5, 6, 7, 8, 9, 10]

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

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

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

}

return true;

});

console.log(numArray);

**Output:**

[ 2, 3, 5, 7 ]

e. Remove duplicates from an array using filter method.

function filterDuplicates(new\_array){

return new\_array.filter((value,index) =>

new\_array.indexOf(value)===index);

}

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

##### Output:

[ 1, 2, 3, 4, 5 ]