1.DO PROGRAMS IN ANONYMOUS FUNCTION AND IIFE

A)PRINT ODD NUMBERS IN AN ARRAY USING ANONYMOUS AND IIFE FUNCTIONS

/ANONYMOUS FUNCTION

var i;

function a(array){

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

if(array[i]%2!=0){

console.log(array[i])

}

}

}

//IIFE FUNCTION

(function(array){

var i;

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

if(array[i]%2!=0){

console.log(array[i])

}

}

})([1,2,3,4,5,6,7,8,9])

OUTPUT

1 3 5 7 9

**B) sum of all elements in an array**

|  |  |
| --- | --- |
|  |  |

// anonymous :

function a(array){

    var sum = 0;

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

    sum = sum + array[i];

    }

    return sum;

    }

    // IIFE :

    (function(array){

    var sum =0;

    for(var i=0;i<array.length;i++){

    sum=sum+array[i];

    }

    return sum;

    })([1,2,3,4])

Console.log(“the sum is:”,sum);

OUTPUT

The sum is 10

**2.DO BELOW PROGRAMS IN ARROW FUNCTIONS.**

**A)PRINT ODD NUMBERS IN AN ARRAY**

oddNumbers = (array) => {

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

    if(array[i]%2!=0){

    console.log(array[i]);

    }

    }

    }

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

OUTPUT

1 3 5

B)SUM OF ALL NUMBERS IN AN ARRAY

sum=(array)=>{

    var sum = 0;

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

    sum = sum + array[i];

    }

    return sum;

    }

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

OUTPUT

15.