2. Do the below programs in arrow functions.

a. Print odd numbers in an array

var arr=[10,81,35,66,79,90,46];

var a=[];

arr.forEach((num)=>

{

if(num%2!=0)

a.push(num);

});

console.log(a);

**Output:**

[ 81, 35, 79 ]

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

var a=["sundari","asvanth","nimalan","nivisha"];

var c=[];

a.forEach((str)=>

{

var b=[];

b=str.split("");

for(var j=0;j<b.length;j++)

{

c.push(b[j].toUpperCase());

}

c.push(" ");

});

console.log(c.join(""));

**Output:**

SUNDARI ASVANTH NIMALAN NIVISHA

c. Sum of all numbers in an array

var arr=[12,9,86,45,27,53];

sum=0;

arr.forEach((num) =>

{

sum=sum+num;

});

console.log(sum);

**Output:**

232

d. Return all the prime numbers in an array

let arr=[5,6,9,11];

let prime=[];

arr.forEach((num)=>

{

var count=0;

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

{

if(num%i===0)

count++;

}

if(count===0)

prime.push(num);

});

console.log(prime);

**Output:**

[ 5, 11 ]

e. Return all the palindromes in an array

let arr=["abc","ada","all"];

let palindrome=[];

var final=[];

var check1=[];

arr.forEach((str)=>

{

var check=[];

var plaindrome=str.split("");

for(j=plaindrome.length-1;j>=0;j--)

{

check.push(plaindrome[j]);

}

check1=check.join("");

if(check1==str)

final.push(str);

});

console.log(final);

**Output:** [‘ada’]