<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

**//Program to print odd numbers**

let numbers=[1,2,3,4,5,6,7,8,9]

let OddNumbers = numbers.filter(number => number % 2);

console.log(OddNumbers);

**// Program to print string in capitals**

let capital=function(string){

return string.toUpperCase();

}

console.log(capital("srinath"));

**//Program for sum of all numbers in an array**

let add=function(array){

let sum=0;

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

sum=sum+array[i];

}

return sum;

}

console.log(add([1,2,3,4,5,6]));

**// Program to print prime numbers**

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

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

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

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

}

return true;

});

console.log(numArray);

**// Program to find median of two arrays**

/let num1=[10,12,14];

let num2=[20,30,40,50];

let median=function(num1,num2){

let totalArray=num1.concat(num2).sort((a,b)=>a-b);

let mp=totalArray.length/2;

console.log(totalArray[mp]);

if(totalArray.length%2!==0){

return median=totalArray[mp-.5];

}

else{

return median=(totalArray[mp]+totalArray[mp-1])/2;

}

}

console.log(median(num1,num2));

**// Program to remove duplicates**

let unique=function(string){

var str=string.split("");

var unique="";

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

if(str.lastIndexOf(str[i]) ==str.indexOf(str[i])){

unique+=str[i];

}

}

return unique;

}

console.log(unique("malayalam"));

**// program to rotate array k times**

const rotate = (arr, count) => {

return [...arr.slice(count, arr.length), ...arr.slice(0, count)];

};

console.log(rotate(['s', 'r', 'i', 'n', 'a', 't', 'h'], 3));

**// Program for Palindrome**

var words = ['foo', 'racecar', 'pineapple', 'porcupine', 'pineenip'];

var arr = [];

var pal = words.toString().split("").reverse().join("").split(",");

console.log(pal);

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

for (let k = 0; k < pal.length; k++) {

if (words[i] == pal[k]) {

arr.push(words[i])

}

}

}

console.log(arr);

</script>

</body>

</html>