1. Practice(submission not needed)-https://medium.com/@reach2arunprakash/www-guvi-io-zen-d395deec1373

**1.var myarray=[11,22,33,44,55]**

**write a code to count the elements in the array . Don’t use length property**

var myarray=[11,22,33,44,55];

var count=myarray.reduce((acc,item)=>acc+1,0);

console.log(count);

**2.Foods variable holds the names of your top 20 favorite foods, starting with the best food. How can you find your fifth favorite food?**

**let foods=[]**

**Find the length of your foods array**

let foods=["chappathi","Biriyani","Dosa","Idly","Puttu","Appam","uppuma","wheat uppuma","Rava idly","Pongal","idiyapam","wheat Dosa","Parrota","Curd Rice","lemon rice","Poori","MetthuVada","Poha Uppuma","sago kichadi","Dhalrice"];

console.log(foods[4]);

console.log(foods.length)

##### Output:

Puttu

20

**3.Starting from the existing friends variable below, change the element that is currently “Mari” to “Munnabai”.**

let friends = ["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK chandran"];

function dataHandling(input){

let temp,s,e;

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

if(input[i]=="Mari")

s=i;

if(input[i]=="Munnabai")

e=i;

}

temp=input[s];

input[s]=input[e];

input[e]=temp;

}

dataHandling(friends);

console.log(friends)

##### **Output:**

[ 'Munnabai',

'MaryJane',

'CaptianAmerica',

'Mari',

'Jeff',

'AAK chandran' ]

**4.Starting from the friends variable below, Loop and Print the names till you meet CaptianAmerica.**

let friends = ["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK chandran"];

function dataHandling(input){

let temp,s,e;

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

if(input[i]!=="CaptianAmerica")

console.log(input[i]);

else

break;

}

}

dataHandling(friends);

##### Output:

Mari

MaryJane

**5. Find the person is ur friend or not.**

const friends = ["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK chandran"];

function dataHandling(input,name){

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

if(input[i].toLowerCase()===name.toLowerCase())

return name+" Is My Friend";

}

return name+" Is Not My Friend";

}

let found=dataHandling(friends,"jeff");

console.log(found);

found=dataHandling(friends,"hari");

console.log(found);

##### Output:

jeff Is My Friend

hari Is Not My Friend

**6. Calculate Batting Average**

function bat\_avg(runs,match,notout)

{

let dismiss=match-notout;

return (runs/dismiss);

}

console.log(bat\_avg(10000,250,50));

##### Output:

50

**7. Power of any number x ^ y.**

**(2^5)=32**

console.log(Math.pow(2,5));

##### Output:

32

**8. Calculate Simple Interest**

var p, t, r, SI;

p = 15;

t = 12;

r = 12;

SI = (p \* t \* r) / 100;

console.log(SI);

##### Output:

21.6

**9.Calculate area of an equilateral triangle**

(√3)/4 \* s² (S = Any side of the Equilateral Triangle)

const a = 5;

const area\_eq\_Triangle = Math.sqrt(3) / 4 \* (a \* a);

console.log("Equilateral Triangle Area = " + area\_eq\_Triangle.toFixed(2));

##### Output:

Equilateral Triangle Area = 10.83

**10. Area Of Isosceles Triangle(½\*b\*h)**

let base= 4;

let height=6;

console.log("Area of isosceles triangle is "+(base\*height)/2)

##### Output:

Area of isosceles triangle is 12

1. <https://medium.com/@reach2arunprakash/guvi-zen-class-find-the-culprits-and-nail-them-9ee6c67c44fb>

# **GUVI: Zen Class — Part 1**:**Find the culprits and nail them — debugging javascript**

Once you are familiar with basic syntax you can reinforce your understanding by solving these simple snippets

**Find the culprit**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script>  
 alert( “I’m JavaScript!’);

alert( “I’m JavaScript”);  
 </script>  
 Whats the error in this ?  
</body>  
</html>

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Find the culprit and invoke the alert**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script**s**.js”></script>  
</body>  
</html>

scripts.js

alert(“I’m invoked!”);

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Explain the below how it works**

explain.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

alert("I'm JavaScript!");  
alert('Hello') // this line is not having semicolon

**ans: in javascript semicolon is optional at line end**

alert(`Wor  
 ld`)  
alert(3 +  
1  
+ 2); // this is multiple line code and its working

* **ans:ES6 version** *template literal*

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the below to alert**Guvi geek

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let admin=9, fname=10.5;   
fname = "Guvi";  
lname = "geek"  
admin = fname+” “+lname;alert( admin ); // "Guvi geek"

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the below to alert**hello Guvi geek

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let fname=10.5;   
fname = "Guvi";  
lname = "geek"let name = fname+lname;alert( 'hello ${name}' );

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the below to alert sum of two numbers**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let a = **parseInt(**prompt("First number?")**)**;  
let b = **parseInt(**prompt("Second number?")**)**;  
alert(a + b);

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**If you run the below scritpt you will get “**Code is Blasted**”**

**Explain Why the Code is blasted and how to diffuse it and get “**Diffused**”.**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

var a = "2" > "12";//Don't touch below this

var a = 2 > 12;

if (a) {  
 console.log("Code is Blasted")  
}  
else  
{  
 console.log("Diffused")   
}

ans:String check based on sequence 1 ,2 . or A,B like that.

2 is greater so result of a is true. then I got Code is Blased

If I change string to number then check 2 is greater than 12 so result is false. then I get Diffused

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**How to get the success in console.**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let a = prompt("Enter a number?");//Don't modify any code below this

if (a) {  
 console.log( 'OMG it works for any number inc 0' );  
}  
else  
{  
 console.log( "Success" );  
}

let a =parseInt(prompt("Enter a number?"));

**insert parseint before the prompt .then i enter string I got success.**

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**How to get the correct score in console.**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let value = prompt('How many runs you scored in this ball');  
if (value === 4) {  
 console.log("You hit a Four");  
} else if (value === 6) {  
 console.log("You hit a Six");  
} else {  
 console.log("I couldn't figure out");  
}

let value =parseInt(prompt('How many runs you scored in this ball'));

now it is work.

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the code to welcome the Employee**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let login = 'Employee';  
let message = (login == 'Employee') ? :  
 (login == 'Director') ? 'Greetings' :  
 (login == '') ? 'No login' :  
 '';console.log(message);

let login = 'Employee';

let message = (login == 'Employee') ? 'Welcome the Employee':

  (login == 'Director') ? 'Greetings' :

  (login == '') ? 'No login' :

  '';console.log(message);

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the code to welcome the boss**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

// You cant change the value of the msg  
let message;if (null || 2 || undefined )  
{  
 let message = "welcome boss";  
}  
else  
{  
 let message = "Go away";  
}  
 console.log(message);

let message;if (null || 2 || undefined )

{

 message = "welcome boss";

}

else

{

  message = "Go away";

}

  console.log(message);

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the code to welcome the boss**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let message;  
let lock = 2;//Dont change any code below this

if (null || lock || undefined )  
{  
 message = "Go away";  
}  
else  
{  
 message = "welcome";  
}  
 console.log(message);

let lock = 0;

then I got welcome

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the code to welcome the boss**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let message;  
let lock = 2;//Dont change any code below thisif (lock && " " || undefined )  
{  
 message = "Go away";  
}  
else  
{  
 message = "welcome";  
}  
console.log(message);

let lock = 0;

then I got welcome

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Change the code to print**

3

2

1

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

//You can change only 2 characterslet i = 3;while (i) {  
 console.log( --i );  
}

let i = 3;while (i) {

    console.log( i-- );

}

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Change the code to print 1 to 10 in 4 lines**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let num = 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)  
num += 1  
console.log(num)

for(let num=1;num<11;num++)

{

    console.log(num);

}

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Change the code to print even numbers**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

//You are allowed to modify only one character for (let num = 2; num <= 20; num += 1) {  
 console.log(num)  
}

for (let num = 2; num <= 20; num += 2) {

    console.log(num)

  }

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Change the code to print all the gifts**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let gifts = ["teddy bear", "drone", "doll"];for (let i = 0; i < 3; i++) {  
 console.log('Wrapped ${'gifts[i]'} and added a bow!');  
}

—

let gifts = ["teddy bear", "drone", "doll"];for (let i = 0; i < 3; i++) {

    console.log(`Wrapped ${gifts[i]} and added a bow!`);

  }

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

**Fix the code to disarm the bomb.**

fix.html

<!DOCTYPE html>  
<html>  
<body>  
 <script src=”script.js”></script>  
</body>  
</html>

script.js

let countdown = 100;while (countdown > 0) {  
 countdown--;  
 if(countdown == 0)  
 {  
 console.log("bomb triggered");  
 }  
}

let countdown = 100;while (countdown >0) {

    if(countdown == 0)

    {

     console.log("bomb triggered");

    }

    else{

        console.log("disarm the bomb");}

        countdown--;

  }

— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -

Whats the msg printed and why?

var lemein = “0”;  
var lemeout = 0;  
var msg = “”;if (lemein) {  
 msg += “hi”;  
 }if (lemeout) {  
 msg += ‘Hello’;  
}console.log(msg);

only print hi.because lemein is string 0.so condition return true

1. <https://medium.com/@reach2arunprakash/www-guvi-io-zen-4fa483a7d359>

# **GUVI: Zen Class — Part 2 : Find the culprits and nail them — debugging javascript loops**

**Write a code to print the numbers in the array**

**Output**: 1234567891011

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string = “”;  
   
for (var i = **1**; i < 11; **i--)** {  
 new\_string += numsArr[i]   
}console.log(new\_string);

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string = "";

for (var i = 0; i < 11; i++) {

new\_string += numsArr[i]

}console.log(new\_string);

**Write a code to print the numbers in the array**

**Output**: 1,2,3,4,5,6,7,8,9,10,11

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string = “”;  
   
for (var i = 1; i < 11; i++) {  
 new\_string += numsArr[i] + ,   
}console.log(new\_string);

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string = "";

for (var i = 0; i < 11; i++) {

new\_string += numsArr[i] + ","

}console.log(new\_string.slice(0,new\_string.length-1));

Write a code to print from last to first with spaces (Make sure there is no space after the last element 1)

**Output**: 11 10 9 8 7 6 5 4 3 2 1

var new\_string = “”;  
   
for (var i = 11; i > 0; i — ) {  
 new\_string += numsArr[i] + “ “   
}  
console.log(new\_string);

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string="";

for (var i = 10; i >=0; i-- ) {

new\_string += numsArr[i] + " "

}

console.log(new\_string.trim());

**Write a code to replace the array value — If the number is even, replace it with ‘even’.**

**Output**:[ 1, “even”, 3, “even”, 5, “even”, 7, “even”, 9, “even”, … ]

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];for (var i = 0; i <=10; i++) {  
 if(numsArr[i] %2 == 0 )  
 {  
 numsArr[i] = odd  
 }  
}  
console.log(numsArr);

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

for (var i = 0; i <=10; i++) {

if(numsArr[i] %2 === 0 )

{

numsArr[i] ="even";

}

}

console.log(numsArr);

**Write a code to replace the array value — If the index is even, replace it with ‘even’.**

**Output**: [ “even”, 2, “even”, 4, “even”, 6, “even”, 8, “even”, 10, … ]

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];for (var i = 0; i <=10; i++) {  
 if(numsArr[i] %2 == 0 )  
 {  
 numsArr[i] = even  
 }  
}  
console.log(numsArr);

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

for (var i = 0; i <=10; i++) {

if(i %2 === 0 )

{

numsArr[i] ="even";

}

}

console.log(numsArr);

**Write a code to add all the numbers in the array**

Output: 66

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];for (var i = 0; i <=10; i++) {  
 var sum;  
 sum += numsArr[i]  
}  
console.log(sum);

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var sum=0;

for (var i = 0; i <=10; i++) {

sum += numsArr[i];

}

console.log(sum);

**Write a code to add the even numbers only**  
**Output**: 30

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];  
var sum=0;for (var i = 0; i <10; i++) {  
 if(numsArr[i]%2==0);  
 sum += numsArr[i]  
}  
console.log(sum);

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

var sum=0;for (var i = 0; i <10; i++) {

if(numsArr[i]%2===0){

sum += numsArr[i];

}}

console.log(sum);

Write a code to add the even numbers and subract the odd numbers  
**Output**: 94

var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];  
var sum=100;for (var i = 0; i <=10; i++) {  
 if(numsArr[i]%2!=0);  
 {  
 sum += numsArr[i]  
 }  
 else  
 {  
 sum -= numsArr[i]  
 }  
}  
console.log(sum);

Write a code to print inner arrays  
**Output**:

Array(5) [ 1, 2, 3, 4, 5 ]  
Array(6) [ 6, 7, 8, 9, 10, 11 ]

var numsArr = [[1, 2, 3, 4, 5][ 6, 7, 8, 9, 10, 11]];  
for (var i = 0; i < numsArr.length; i++); {  
 console.log( numsArr[i])  
}

**Write a code to print elements in the inner arrays**  
**Output**: 1234567891011

var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]];  
var str\_all=0;for (var i = 0; i < numsArr.length; i++) {  
 var inner\_array = numsArr[i];  
 for(var j = 0 ; j < inner\_array.length;i++ )  
 str\_all +=inner\_array[j]  
}  
console.log(str\_all);

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

var str\_all="";

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

var inner\_array = numsArr[i];

for(var j = 0 ; j < inner\_array.length;j++ )

str\_all+=String(inner\_array[j]);

}

console.log(str\_all);

**Write a code to replace the array value — If the index is even, replace it with ‘even’.**

**Output**: [ [“even”, 2, “even”, 4, “even”], [6, “even”, 8, “even”, 10, …] ]

var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]];  
var str\_all=0;for (var i = 0; i < numsArr.length; i++) {  
 var inner\_array = numsArr[i];  
 for(var j = 0 ; j < inner\_array.length;i++ )  
 if(numsArr[i] %2 == 0 )  
 {  
 numsArr[i] = even  
 }  
}  
console.log(numsArr);

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

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

for(var j = 0 ; j < numsArr[i].length;j++ ){

if(j%2===0)

{

numsArr[i][j]="even";

}

}

}

console.log(numsArr);

**Write a code to print elements in the inner arrays in reverse**  
**Output**: 11 10 9 8 7 6 5 4 3 2 1

var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]];  
var str\_all=0;for (var i = 0; i < numsArr.length; i++) {  
 var inner\_array = numsArr[i];  
 for(var j = inner\_array.length; j < 0 ;j-- )  
 str\_all +=inner\_array[j]  
}  
console.log(str\_all);

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

var str\_all=" ";for (var i = numsArr.length-1; i>=0 ; i--) {

for(var j = numsArr[i].length-1; j >= 0 ;j-- )

str\_all +=numsArr[i][j]+" "

}

console.log(str\_all.trim());

**Write a code to add elements in the inner arrays based on odd or even values  
Output**:  
36  
30

var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]];  
var sum\_odd=0;  
var sum\_even=0;for (var i = 0; i < numsArr.length; i++) {  
 var inner\_array = numsArr[i];  
 for(var j = 0 ; j < inner\_array.length;j++ ){  
 if(numsArr[i]%2!=0)  
 {  
 sum\_odd += numsArr[i]  
 }  
 else  
 {  
 sum\_even += numsArr[i]  
 }  
}  
}  
console.log(sum\_odd);  
console.log(sum\_even);

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

var sum\_odd=0;

var sum\_even=0;for (var i = 0; i < numsArr.length; i++) {

for(var j = 0 ; j < numsArr[i].length;j++ ){

if(numsArr[i][j]%2!==0)

{

sum\_odd += numsArr[i][j];

}

else

{

sum\_even += numsArr[i][j];

}

}

}

console.log(sum\_odd);

console.log(sum\_even);

1. <https://medium.com/@reach2arunprakash/guvi-zen-simple-debugging-tasks-adcdc2d3249d>

# **GUVI: Zen Class — Part 3: Find the culprits and nail them — debugging javascript**

**Fix the code to get the largest of three.**

Code:

aa = (f,s,t) => {  
 let f,s,t;  
 console.log(f,s,t);  
 if(f>s &&f>t){  
 console.log(f)}  
 else if(s>f && s>t){  
 console.log(s)}  
 else{  
 console.log(t)}  
}**;**aa(1,2,3);

aa = (f,s,t) => {

console.log(f,s,t);

if(f>s &&f>t){

console.log(f)}

else if(s>f && s>t){

console.log(s)}

else{

console.log(t)}

};

aa(1,2,3);

##### Output:

1 2 3

3

— — — — — — — — — — — — — — — — — — — — — — — — —  
**Fix the code to Sum of the digits present in the number**

Code:

let n = 123;console.log(add(n));function add(n)  
{  
let sum = 10;  
for(var i=0;i<n.length;i++){  
 sum+=n[i]  
 }  
 return sum;  
}

let n=123;console.log(add(String(n)));

function add(n)

{

let sum = 0;

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

sum+=parseInt(n[i]);

}

return sum;

}

##### Output:

6

— — — — — — — — — — — — — — — — — — — — — — — — —

**Fix the code to Sum of all numbers using IIFE function**

Code:

const arr = [9,8,5,6,4,3,2,1];(function() {  
 let sum = 0;  
 for (var i = 0; i <= arr.length; i++);{  
 sum += arr[i];  
 }  
 console.log(sum);  
 return sum;  
})();

const arr = [9,8,5,6,4,3,2,1];(function() {

let sum = 0;

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

sum += arr[i];

}

console.log(sum);

return sum;

})();

##### Output:

38

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**Fix the code to gen Title caps.**

Code:

var arr = [“guvi”, “geek”, “zen”, “fullstack”];var ano = function(arro) {  
 for (var i = 0; i <= arro.length; i++) {  
 console.log(arro[i][0].toUpperCase() + arro[i].substr(1));  
 }  
}  
ano();

//parameter missing

var arr = ["guvi", "geek", "zen","fullstack"];

var ano = function(arro) {

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

console.log(arro[i][0].toUpperCase() + arro[i].substr(1));

}

}

ano(arr);

##### Output:

Guvi

Geek

Zen

Fullstack

— — — — — — — — — — — — — — — — — — — — — — — — —

**Fix the code to return the Prime numbers**

Code:

const newArray=[1,3,2,5,10];  
const myPrime=newArray.filter(num=>{  
 for(let i=2;i<**=**num;i++){  
 if(num%i===0)  
 {  
 return **true**;//false  
 }  
 }  
 return num===1;//!==  
});  
console.log(myPrime);

const newArray=[1,3,2,5,10];

const myPrime=newArray.filter(num=>{

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

if(num%i===0)

{

return false;

}

}

return num!==1;

});

console.log(myPrime);

output:

[3, 2, 5]

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**Fix the code to sum the number in that array**

Code:

const num = [10, 20, 30, 40,50,60,70,80,90,100]   
const sum = (a, b) =>  
 a + b  
const sum1 = num.reduce(sum)  
console.log(sum1);

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**Fix the code to rotate an array by k times and return rotated array using IIFE function**

Code:

var arr = [1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13];  
var k = 3;  
k = arr.length % k;  
(function() {  
 arr = {};**//remove this line**  
 out = arr.slice(k + 1, arr.length);  
 var count = out.length;  
 for (var i = 0; i < k + 1; i++) {  
 out[count] = arr[i];  
 count += 1;  
 }  
 console.log(out);})();

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**Fix the code to gen Title caps.**

Code:

var arr = [“guvi”, “geek”, “zen”, “fullstack”];(function() {  
 for (var i = 0; i <**=** arr.length; i++) {  
 console.log(**arr[0][i].**toUpperCase() + arr[i].substr(1));  
 }  
})();

var arr =["guvi","geek","zen", "fullstack"];(function() {

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

    console.log(arr[i][0].toUpperCase() + arr[i].substr(1));

    }

   })();

Guvi

Geek

Zen

Fullstack

— — — — — — — — — — — — — — — — — — — — — — — — —

**print all odd numbers in an array using IIFE function**

Code:

var arr = [1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4];(function() {  
 for (var i = 0; i < arr.length; i++) {  
 if (arr[i] % 2 **===** 0) {// **this line change to if (arr[i] % 2 !== 0) {** console.log(arr[i]);  
 }}  
})();

— — — — — — — — — — — — — — — — — — — — — — — — —

**Fix the code to reverse.**

Code:

(function(str){  
 str1 = str.split**(“ “).**reverse().join(“”);**//remove the Space. because split each character** console.log(str1);   
})(“abcd”)

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**Fix the code to remove duplicates.**

Code:

var res = function(arr){  
 for(var i=0; i < arr.length; i++){  
 **newArr = [];//declare before the for loop**  
 if(newArr.indexOf(arr[i]) == -1) {  
 newArr.push(arr[i]);  
 } }  
 console.log(newArr)  
}**;//semicolon missing**

res([“guvi”,”geek”,”guvi”,”duplicate”,”geeK”])

   var res = function(arr){

    newArr = [];

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

    if(newArr.indexOf(arr[i]) == -1) {

    newArr.push(arr[i]);

    } }

    console.log(newArr)

   };

   res(["guvi","geek","guvi","duplicate","geeK"])

— — — — — — — — — — — — — — — — — — — — — — — — —

**Fix the code to give the below output:**

Expected Output:

[  
{firstName: “Vasanth”, lastName: “Raja”, age: 24, role: “JSWizard”},  
{firstName: “Sri”, lastName: “Devi”, age: 28, role: “Coder”}  
]

Code:

var array =[[[“firstname”,”vasanth”],[“lastname”,”Raje”],[“age”,24],[“role”,”JSWizard”]],[[“firstname”,”Sri”],[“lastname”,”Devi”],[“age”,28],[“role”, “Coder”]]];  
var final=[]  
while(array.length!=0)  
{  
 var outer\_remove = array.shift();  
 **new\_object={}//add this line**  
 while(outer\_remove.length!=0)  
 {  
 var inner\_remove = outer\_remove.shift()  
 var key = inner\_remove[0]  
 var value =inner\_remove[1]  
 new\_object[key]=value  
 }  
 final.push(new\_object)}