**2.PROBLEM**

**Find the culprit**

fix.html

<!DOCTYPE html>

<html>

<body>

<script>

alert( "I'm JavaScript!")

</script>

</body>

</html>

**Find the culprit and invoke the alert**

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

alert("I'm invoked!")

**Explain the below how it works**

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

alert("I'm JavaScript!");

alert('Hello')

alert(`World`)

alert(3 +1+ 2);

ANS: First step we have to embed the script.js file in the HTML file. Next we have to run the live server on the browser. After that we can able to see the output one by one by pop-up message

**Fix the below to alert**Guvi geek

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

**Fix the below to alert**Guvi geek

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

let admin=9, fname=10.5;

fname = "Guvi";

lname = "geek"

admin = fname+lname;

alert( admin )

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

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

let fname=10.5;

let fname = "Guvi"

let lname = "geek"

const 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>

scripts.js

let a = prompt("First number?");

let b = prompt("Second number?");

let c=Number(a) +Number(b)

alert(c);

**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>

scripts.js

var a = "2" > "12";

if (a) {

console.log("Code is Blasted")

}

else

{

console.log("Diffused")

}

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

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

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

//Don't modify any code below this

if (a<=0) {

alert( "OMG it works for any number inc 0" );

}

else

{

alert( "Success" );

}

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

fix.html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script>

</body>

</html>

scripts.js

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

if (value == 4) {

alert("You hit a Four");

} else if (value == 6) {

alert("You hit a Six");

} else {

alert("I couldn't figure out");

}

3.PROBLEM

**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 = 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 = 0; i < 10; i++) {

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

}

new\_string += numsArr[10]

console.log(new\_string);

**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 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);

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

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

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);

**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 === 1 )

{

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];

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);

**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]];

console.log("Array("+numsArr[0].length+") "+ "[" +numsArr[0]+"]")

console.log("Array("+numsArr[0].length+") "+ "[" +numsArr[1]+"]")

**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="";

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

str\_all += numsArr[0][i];

}

for(var j = 0 ; j < numsArr[1].length;j++ ){

str\_all +=numsArr[1][j]

}

console.log(str\_all);

**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=""

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

{

str\_all +=numsArr[1][j]

}

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

{

str\_all += numsArr[0][i];

}

console.log(str\_all);

**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[0].length; i++) {

if(numsArr[0][i]%2==1)

sum\_odd += numsArr[0][i];

}

for (var i = 0; i < numsArr[1].length; i++) {

if(numsArr[1][i]%2==1)

sum\_odd += numsArr[1][i];

}

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

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

sum\_even += numsArr[0][i];

}

for (var i = 0; i < numsArr[1].length; i++) {

if(numsArr[1][i]%2==0)

sum\_even += numsArr[1][i];

}

console.log(sum\_odd);

console.log(sum\_even);

4.PROBLEMS

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

Code:

aa = (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);

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

Code:

let n = 123

let m=String(n)

function add(n)

{

let sum = 0;

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

sum+=parseInt(m[i])

}

return sum;

}

console.log(add(n));

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

Code:

(function(arr) {

let sum = 0;

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

{

sum += arr[i];

}

console.log(sum);

return sum;

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

**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(arr);

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

Code:

const newArray=[1,3,2,5,10,12,14,17];

const myPrime=newArray.filter(num=>{

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

if(num%i===0)

{

return false

}

}

return num

});

console.log(myPrime);

**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 = num.reduce((acc,index)=>acc+index,0)

console.log(sum);

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

Code:

(function(arr,k)

{

for(let i=0;i<k;i++){

arr.unshift(arr.pop())

}

console.log(arr)

}

)([1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13],3);

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

Code:

(function(arr) {

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

console.log(arr[i][0].toUpperCase()+arr[i].slice(1).toLowerCase())

}

})(["guvi", "geek", "zen", "fullstack"]);

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

Code:

(function(arr) {

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

if (arr[i] % 2 === 1) {

console.log(arr[i]);

}}

})([1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4]);

**Fix the code to reverse.**

Code:

(function(str){

str1 = str.split('').reverse().join("");

console.log(str1);

})("abcd"