**Find the culprit**

fix.html

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

ANSWER: Change to Double closing codes.

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

**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!”);

ANSWER: Change to scripts.js.

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

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

ANSWER: All the alert will execute as follows.

I'm JavaScript!

Hello

Wor

ld

6

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

**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"

ANSWER: Change the code to as highlighted.

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

**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}` );

ANSWER: Change the code to as highlighted.

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

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

ANSWER: Add + symbol before prompt.

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

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

ANSWER: Change > to <.

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

**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" );  
}

ANSWER: Give empty value to get 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");  
}

ANSWER: Add + symbol before prompt and give the value 4 or 6.

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

**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') ?’Welcome’ :  
 (login == 'Director') ? 'Greetings' :  
 (login == '') ? 'No login' :  
 '';console.log(message);

ANSWER: Add Welcome in marked place.

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

**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);

ANSWER: Remove let in marked place.

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

**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 = 0;//Dont change any code below this

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

ANSWER: Change let lock=0 or empty string.

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

**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 (lock && " " && undefined )  
{  
 message = "Go away";  
}  
else  
{  
 message = "welcome";  
}  
console.log(message);

ANSWER: Change && in marked place.

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

**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 characters

let i = 3;

while (i) {  
 console.log( i-- );  
}

ANSWER: Change –i to i-- in marked place.

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

**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 i = 1;

while (i<11) {

console.log( i++ );

}

ANSWER: Change the code above.

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

**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 += 2) {  
 console.log(num)  
}

ANSWER: Change the code in marked place.

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

**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!`);

}

ANSWER: Change the code in marked place.

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

**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)  
 {

break;  
 console.log("bomb triggered");  
 }  
}

ANSWER: Add break keyword.

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

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);

ANSWER: should be “hi”. String value concat with condition and execute.

Whats the msg printed and why? Guess you answer before running it.

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

ANSWER: should be “hi”. String value concat with condition and execute.

Part 2

1. Write a code to print the numbers in the array

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

 var new\_string = "";

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

  new\_string +=numsArr[i];

 }

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

Output: 1234567891011

2. Write a code to print the numbers in the array

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 += i +",";

}

console.log(new\_string);

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

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

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

var new\_string = "";

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

  new\_string += numsArr[i] + " ";

}

console.log(new\_string);

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

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

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

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

  if (numsArr[i] % 2 == 0) {

    numsArr[i] = "even";

  }

}

console.log(numsArr);

Output: [ 1, 'even', 3, 'even', 5, 'even', 7, 'even', 9, 'even', 11 ]

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

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

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

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

    numsArr[i] = "even";

  }

}

console.log(numsArr);

Output: [ 'even', 2, 'even', 4, 'even', 6, 'even', 8, 'even', 10, 'even' ]

6. Write a code to add all the numbers in the array

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

var sum = 0;

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

  sum += numsArr[i];

}

console.log(sum);

output: 66

7. Write a code to add the even numbers only

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

var sum = 0;

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

  if (numsArr[i] % 2 == 0) sum += numsArr[i];

}

console.log(sum);

output: 30

8. Write a code to add the even numbers and subract the odd numbers

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

var sum = 100;

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

  numsArr[i] % 2 == 0 ? (sum += numsArr[i]) : (sum -= numsArr[i]);

}

console.log(sum);

output: 94

9. Write a code to print inner arrays

let array = [

  [1, 2, 3, 4, 5],

  [6, 7, 8, 9, 10, 11],

];

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

  for (let j = 0; j < array[i].length; j++) {}

  console.log(array[i]);

}

}

output: [ 1, 2, 3, 4, 5 ]

[ 6, 7, 8, 9, 10, 11 ]

10. Write a code to print elements in the inner arrays

let array = [

  [1, 2, 3, 4, 5],

  [6, 7, 8, 9, 10, 11],

];

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

  for (let j = 0; j < array[i].length; j++) console.log(array[i][j]);

**Output**: 1234567891011