# Task1

1. Find the culprit

//solution

<!DOCTYPE html>

<html>

<body>

<script>

alert( "I’m JavaScript!");

</script>

Whats the error in this ?

</body>

</html>

Error : In alert we should start and close with double quotes.

2. Find the culprit and invoke the alert

//solution

(i).

<!DOCTYPE html>

<html>

<body>

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

</body>

</html>

(ii) <script>alert("I’m invoked!");

</script>

3.Explain the below how it works

explain.html

(i)

<!DOCTYPE html>

<html>

<body>

<script src=”script.js”></script>

</body>

</html>

(ii) 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

**HTML itself doesn't suffer from syntax errors** because browsers parse it permissively, meaning that the page still displays even if there are syntax errors.

4.

(i). Fix the below to alert Guvi geek

fix.html

<script>alert("Guvi geek")</script>

(ii). script.js

let admin=9, fname=10.5;

fname = "Guvi";

lname = "geek"

admin = fname+lname;

console.log( admin ); // "Guvi geek"

5.Fix the below to alert Guvi geek

fix.html

<!DOCTYPE html>

<html>

<body>

<script>alert("hello Guvi geek")</script>

</body>

</html>

script.js

let admin=10.5;

fname = "Guvi";

lname = "geek"

let name = fname+lname;

alert( 'hello' ,fname,lname);

6.

Fix the below to alert sum of two numbers

fix.html

<!DOCTYPE html>

<html>

<body>

<script>alert("hello Guvi geek")</script>

</body>

</html>

script.js

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

7.

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>

(ii)

script.js

var a = +"2" < +"12";

//Don't touch below this

if (a) {

console.log("Code is Blasted");

}else

{

console.log("Diffused");} value given in string we need to change into integer.

8. How to get the success in console.

<!DOCTYPE html>

<html>

<body>

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

</body>

</html>

(ii).

let a = 2>12;

//Don't modify any code below this

if (a) {

console.log( 'OMG it works for any number inc 0' );

}

else

{

console.log( "Success" );

}

9. How to get the correct score in console.

script.js

let value = 6;

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");

10. Fix the code to welcome the Employee

let login = 'Employee!';

let message = ("welcome "+ login);

console.log(message);

11. Fix the code to welcome the boss

let message;

let lock ;

//Dont change any code below this

if (lock && " " || undefined )

{

message = "Go away";

}

else

{

message = "welcome";

}

console.log(message);

12. Fix the code to welcome the boss

var lock = lock;

//Dont change any code below this

if (null || lock || undefined )

{

message = "Go away";

}

else

{

message = "welcome";

}

console.log(message);

let message;

13.

Fix the code to welcome the boss

var lock ;

//Dont change any code below this

if (lock && " " || undefined )

{

message = "Go away";

}

else

{

message = "welcome";

}

console.log(message)

14. Change the code to print

let i = 4;

while (i>=2) {

console.log( --i );

15. Change the code to print 1 to 10 in 4 lines

for(var i=1;i<11;i++){

console.log(i)

}

16. for (var num = 2; num <= 20; num += 2) {

console.log(num)}

17. Change the code to print all the gifts

let gifts = ["teddy bear", "drone", "doll"];

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

console.log(gifts[i]);

}

18. Fix the code to disarm the bomb.

let countdown = 100;

while (countdown < 0) {

countdown--;

if(countdown == 0)

{

console.log("bomb triggered");

}

}

17. 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);

msh = hi becase latest variable