SESSION – 6

Part -1

1)

**Find the culprit**

fix.html

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

ANSWER

<!DOCTYPE html>

<html>

<body>

<script>

alert( "I’m JavaScript!"); //double brackets need to close correctly

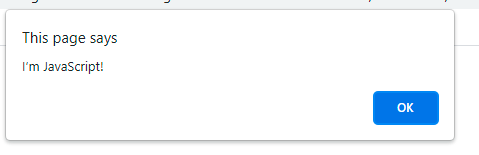
</script>

Whats the error in this ?

</body>

</html>

OUTPUT



2)

**Find the culprit and invoke the alert**

**ANSWER**

**html**

**<!DOCTYPE html>**

**<html>**

**<body>**

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

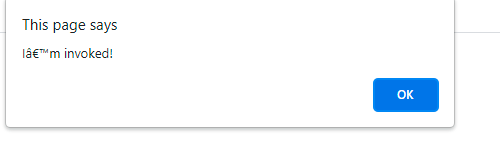
**</body>**

**</html>**

**script**

**alert("I’m invoked!"); //same brackets need to be closed**

**OUTPUT**



3)

ANSWER

html

<!DOCTYPE html>

<html>

<body>

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

</body>

</html>

script

alert("I'm JavaScript!"); ///displays i'm javascript as an alert message

alert('Hello') // this line is not having semicolon its not a problem so its displays hello

alert(`Wor

ld`) //display wor in one line and ld in another line

alert(3 +

1

+ 2); // this is multiple line code and its working --- it displays 6

4)

ANSWER

html

<!DOCTYPE html>

<html>

<body>

<script src="script.js"></script> <!--to dive correct close symbols " "-->

</body>

</html>

script

let admin=9, fname=10.5;

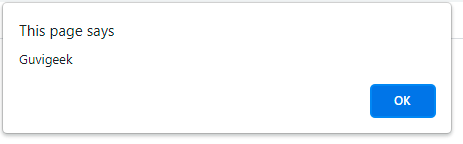
fname = "Guvi";

lname = "geek"

admin = fname+lname;

alert( admin ); // "Guvi geek"

OUTPUT



5)

ANSWER

let fname=10.5;

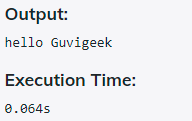
fname = "Guvi";

lname = "geek"

let name = fname+lname;

alert( `hello ${name}` );//starting and ending close is ``

OUTPUT



6)

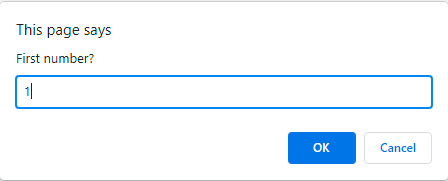
ANSWER

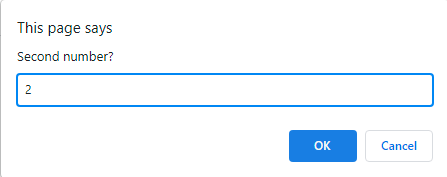
let a = prompt("First number?");//ASKS for a

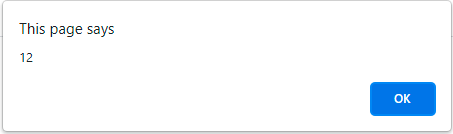
let b = prompt("Second number?");//asks for b

alert(a + b); //alert the sum of numbers

OUTPUT







7)

ANSWER

let a = prompt("First number?");//ASKS for a

let b = prompt("Second number?");//asks for b

alert(a + b); //alert the sum of numbers

8)

**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**”.**

ANSWER

var a = "2" > "12";

//Don't touch below this

if (a) { //get truthy value get code is blasted

console.log("Code is Blasted")

}

else //get falsy or null values get diffused

{

console.log("Diffused")

}

9)

ANSWER

let a = prompt("Enter a number?"); //enter any number

//Don't modify any code below this

if (a) { // if the true value comes it prints the output

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

}

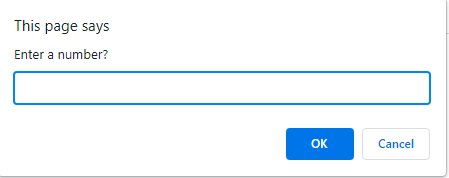
else //if null or no value it prints success

{

console.log( "Success" );

}

OUTPUT





10)

ANSWER

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

if (value == 4) { //to check with ==

console.log("You hit a Four");

} else if (value == 6) {

console.log("You hit a Six");

} else {

console.log("I couldn't figure out");

}

OUTPUT



11)

ANSWER

let login = 'Employee';

let message = (login == 'Employee') ?

(login == 'Director') ? 'Greetings' :(login == '') ? 'No login' : 'Welcome' : '';

console.log(message); //first checks it employee its true get into that then checks and print Welcome

12)

ANSWER

// You cant change the value of the msg

let message;

if (null || 2 || undefined )

{

message = "welcome boss"; //if we declare let mesage=value it takes as a seperat variable and works inside if only

}

else

{

message = "Go away";

}

console.log(message);

OUTPUT



13)

ANSWER

let message;

let lock; //not asssigned to any value

//Dont change any code below this

if (null || lock || undefined )

{

message = "Go away";

}

else

{

message = "welcome";

}

console.log(message);

OUTPUT



14)

ANSWER

let message;

let lock = null; //change it to null

//Dont change any code below this

if (lock && " " || undefined )

{

message = "Go away";

}

else

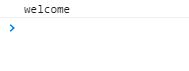
{

message = "welcome";

}

console.log(message);

OUTPUT



15)

ANSWER

//You can change only 2 characters

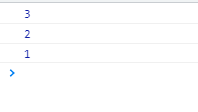
let i = 3;

while (i) {

console.log( i-- ); //to give i--

}

OUTPUT



16)

let num=1;

while(num<=10)

{

console.log(num);

num++;

}

OUTPUT



17)

ANSWER

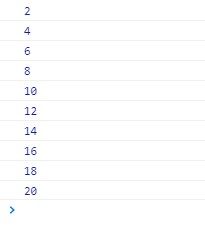
//You are allowed to modify only one character

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

console.log(num)

}

OUTPUT



18)

ANSWER

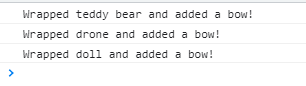
let gifts = ["teddy bear", "drone", "doll"];

for (let i = 0; i < 3; i++) {

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

}

OUTPUT



19)

ANSWER

let countdown = 100;

while (countdown >= 0) {//countdown>=0 case only the if case executed

countdown--;

if(countdown == 0)

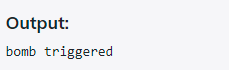
{

console.log("bomb triggered");

}

}

OUTPUT



20)

ANSWER

var lemein = "0";

var lemeout = 0;

var msg = "";

if (lemein) {

msg += "hi";

}

if (lemeout) {

msg += 'Hello';

}

console.log(msg); //display hi because if conidition receives a true value

OUTPUT



PART-2

1)

Write a code to print the numbers in the array

**Output**: 1234567891011

ANSWER

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

var new\_string = " ";//brackets correctly closed

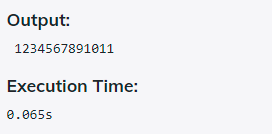
for (var i = 0; i < 11; i++) { //i incremented and i starts with 0

new\_string += numsArr[i]

}

console.log(new\_string);

OUTPUT



2)

Write a code to print the numbers in the array

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

ANSWER

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

var new\_string = " ";

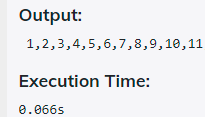
for (var i = 0; i < 11; i++) {

new\_string += numsArr[i] + ',' ; //add all value with , in between

}

console.log(new\_string);

OUTPUT



3)

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

ANSWER

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

var new\_string = " "; //adds all values to the string

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

if(i==0)

{

new\_string += numsArr[i];

}

else

{

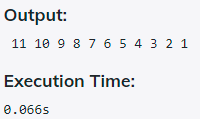
new\_string += numsArr[i] + " ";

}

}

console.log(new\_string);

OUTPUT



4)

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”, … ]

ANSWER

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 ) //even only

{

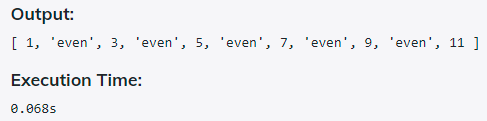
numsArr[i] = "even"; //xhange to even

}

}

console.log(numsArr);

OUTPUT



5)

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, … ]

ANSWER

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

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

if(i %2 == 0 ) //even index only

{

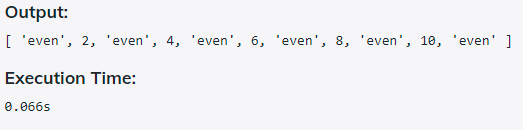
numsArr[i] = "even"; //change number to even

}

}

console.log(numsArr);

OUTPUT



6)

Write a code to add all the numbers in the array

Output: 66

ANSWER

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

var sum=0;

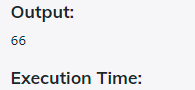
for (var i = 0; i <=10; i++) {

sum += numsArr[i]; //add every numbers

}

console.log(sum);

OUTPUT



7)

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

ANSWER

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

var sum=0;

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

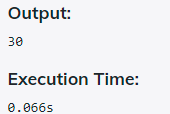
if(numsArr[i]%2==0) //if its even only

sum += numsArr[i]; //add all the even numbers

}

console.log(sum);

OUTPUT



8)

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

ANSWER

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) //IF ITS EVEN

{

sum += numsArr[i]; //ADD TO THE SUM VARIABLE

}

else

{

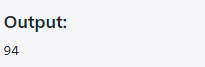
sum -= numsArr[i] //else subtract

}

}

console.log(sum);

OUTPUT



9)

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

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

ANSWER

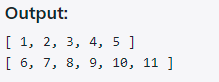
var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]];

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

console.log( numsArr[i])

}

OUTPUT



10)

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

ANSWER

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];

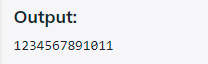
for(var j = 0 ; j < inner\_array.length;j++ )//i to j

str\_all +=inner\_array[j];

}

console.log(str\_all);

OUTPUT



11)

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, …] ]

ANSWER

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

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

var inner\_array = numsArr[i];

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

if(j %2 == 0 )//position need to be checked so j is enough

{

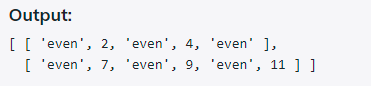
numsArr[i][j] = "even";

}

}

console.log(numsArr);

OUTPUT



12)

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

ANSWER

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][j]%2!=0)//numsArr[i][j] need to be pased

{

sum\_odd += numsArr[i][j]; //ODD NUMBERS ADD

}

else

{

sum\_even += numsArr[i][j]; //EVEN NUMBERS ADD

}

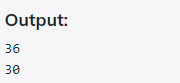
}

}

console.log(sum\_odd);

console.log(sum\_even);

OUTPUT



PART – 3

1)

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

ANSWER

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

//let f,s,t; //already initialized

console.log(f,s,t);

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

console.log(f)}

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

console.log(s)}

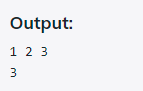
else{

console.log(t)}

}

aa(1,2,3);

OUTPUT



2)

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

ANSWER

let n = 123;

function add(n)

{

let sum=0;

while (n) {

sum += n % 10;

n = Math.floor(n / 10);

}

return sum;

}

console.log(add(n));

OUTPUT



3)

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

ANSWER

const arr = [9,8,5,6,4,3,2,1];

(function() {

// console.log(arr.length);

let sum = 0;

for (var i = 0; i < arr.length; i++){//no need of semicolon for (for loop) just remove that

sum += arr[i];

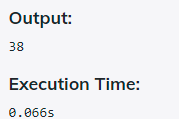
}

console.log(sum);

// return sum;

})();

OUTPUT



4)

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

ANSWER

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

var ano = function(arro) {

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

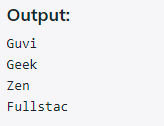
console.log(arro[i][0].toUpperCase() + arro[i].substr(1));

}

}

ano(arr);

OUTPUT



5)

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

ANSWER

const num = [10, 20, 30, 40,50,60,70,80,90,100]

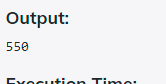
const sum = (a, b) =>

a + b

//const sum = num.reduce(sum) -- reinitialized the variable sum

console.log(num.reduce(sum));//just use reduce and print

OUTPUT



6)

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

ANSWER

var arr = [1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13];

var k = 3;

k = arr.length % k;

(function() {

//arr = {}; -- dont change the arr to empty if it takes array as empty keep as it is

console.log(arr);

out = arr.slice(k + 1, arr.length);

var count = out.length;

for (var i = 0; i < k + 1; i++) {

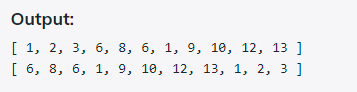
out[count] = arr[i];

count += 1;

}

console.log(out);

OUTPUT



8)

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

ANSWER

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

(function() {

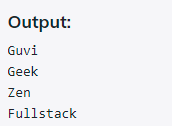
for (var i = 0; i <= arr.length; i++) {

console.log(arr[i][0].toUpperCase() + arr[i].substr(1));//change the arr[0][i] to arr[i][0] because frst take the whole string then point out the index

}

})();

OUTPUT



9)

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

ANSWER

var arr = [1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4];

(function() {

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

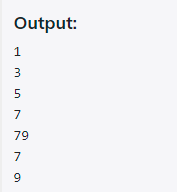
if (arr[i] % 2 != 0) { //change it to not equal to if it iss equal to it takes even values

console.log(arr[i]);

}}

})();

OUTPUT



10)

**Fix the code to reverse.**

ANSWER

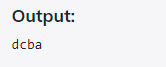
(function(str){

str1 = str.split('').reverse().join('');//change apostrophe to ''

console.log(str1);

})("abcd")

OUTPUT



11)

**Fix the code to remove duplicates.**

ANSWER

var res = function(arr){

var newArr = []; //initalize array out of loop

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

var current = arr[i];

//console.log(current);

if(newArr.indexOf(current) < 0) {

//console.log(current)

newArr.push(current);

}

}

console.log(newArr);

}

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

OUTPUT



12)

Sum of odd numbers in an array

ANSWER

var as=[12,34,5,6,2,56,6,2,1];

var s=as.reduce((a,c) => //in reduce remove function

c%2 != 0 ? a+c : a

)

console.log(s);

OUTPUT

