**1.Fix the below to alert Guvi geek**

let admin=9, fname=10.5;

fname = "Guvi";

lname = "geek"

admin = fname+" "+lname;

alert( admin ); // "Guvi geek"

**2.Fix the below to alert hell0 Guvi geek**

let fname=10.5;

fname = "Guvi";

lname = "geek"

let name = fname+lname;

alert( `hello ${name}` );

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

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

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

alert(+a + +b);

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

**bacuse at first it compares string 2 with 1**

var a = 2 > 12;

//Don't touch below this

if (a) {

console.log("Code is Blasted")

}

else

{

console.log("Diffused")

}

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

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

a=parseInt(b)

//Don't modify any code below this

if (a) {

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

}

else

{

console.log( "Success" );

}

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

let value =parseInt( 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");

}

**7.Fix the code to welcome the boss**

let message;

if (null || 2 || undefined )

{

message = "welcome boss";

}

else

{

message = "Go away";

}

console.log(message);

**8.Fix the code to welcome the boss**

let message;

let lock =null;

//Dont change any code below this

if (null || lock || undefined )

{

message = "Go away";

}

else

{

message = "welcome";

}

console.log(message);

**9.Fix the code to welcome the boss**

let message;

let lock =null;

//Dont change any code below this

if (lock && " " || undefined )

{

message = "Go away";

}

else

{

message = "welcome";

}

console.log(message);

**10.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); //hi

because string 0("0") is cnsidered true

**Part 2 : Find the culprits and nail them — debugging javascript loops**

**1.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);

**2.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 = new String(numsArr[0]);

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

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

}

console.log(new\_string);

**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

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

var new\_string = new String(numsArr[10]);

for (var i = 9; i >= 0; i--) {

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

}

console.log(new\_string);

**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”, … ]**

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);

**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, … ]**

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

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

if((i+1) %2 == 0 )

{

numsArr[i] = "even"

}

}

console.log(numsArr);

**6.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];

var sum=0;

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

sum += numsArr[i]

}

console.log(sum);

**7.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);

**8.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);

**9.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])

**10.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;j++ )

str\_all +=inner\_array[j]

}

console.log(str\_all);

Part3

1.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);

2.let n = "123";

console.log(add(n));

function add(n)

{

let sum = 0;

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

sum+= parseInt(n[i])

}

return sum;

}

3.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;

})();

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

var ano = function(arro) {

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

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

}

}

ano();