# **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);

//Output: 1234567891011

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 = "";

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

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

}

new\_string+=numsArr[10];

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 = 11; i > 0; i--) {

new\_string += numsArr[i-1]+" "

}

console.log(new\_string.trim());

//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’.

**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 %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 ]

ar 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**: 1234567891011var 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++ )

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

}

console.log(str\_all);

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, …] ]

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

let k=0;

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

var inner\_array = numsArr[i];

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

if(k%2 ===0 )

{

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

}

k=k+1;

}

}

console.log(numsArr);

12.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="";

var inner\_array;

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

inner\_array = numsArr[i];

for(var j = inner\_array.length-1; j>=0 ;j--)

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

}

console.log(str\_all.trim());

13.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.length; i++) {

var inner\_array = numsArr[i];

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

if(inner\_array[j]%2!==0)

sum\_odd += inner\_array[j];

else

sum\_even += inner\_array[j];

}

}

console.log(sum\_odd);

console.log(sum\_even);