# GUVI: Zen Class — Part 2 : Find the culprits and nail them — debugging javascript loops

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 = 1; i < 11; i--) {

new\_string += numsArr[i]

}

console.log(new\_string);

Answer: var numsArr = [ ];

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

numsArr.push(i);

}

console.log(numsArr);

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 = 1; i < 11; i++) {

new\_string += numsArr[i] + ,

}

console.log(new\_string);

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 new\_string = “”;

for (var i = 11; i > 0; i — ) {

new\_string += numsArr[i] + “ “

}

console.log(new\_string);

Answer: var numsArr = [ ];

for (var i = 11; i >= 1; i--) {

numsArr.push(i);

}

console.log(numsArr);

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] = odd

}

}

console.log(numsArr);

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(numsArr[i] %2 == 0 )

{

numsArr[i] = even

}

}

console.log(numsArr);

Answer: var numsArr = [ ];

for (var i = 1; i <= 10; i++) {

if(i %2 ===0){

numsArr.push(`${i}, even`);

}

}

console.log(numsArr);

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];

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

var sum;

sum += numsArr[i]

}

console.log(sum);

Answer: var store = [1,2,3,4,5,6];

const reducer = (previousValue, currentValue) => previousValue + currentValue;

console.log(store.reduce(reducer,0));

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);

Answer: var output = [];

for(i=1; i<=10; i++){

if(i % 2 === 0){

output.push(i);

}

}

const reducer = (previousValue, currentValue) => previousValue + currentValue;

console.log(output.reduce(reducer,0));

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);

Answer: var output = [];

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

if(i % 2 !== 0){

output.push(i);

}

}

const reducer = (previousValue, currentValue) => previousValue - currentValue;

console.log(output.reduce(reducer,0));

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])

}

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;i++ )

str\_all +=inner\_array[j]

}

console.log(str\_all);

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]];

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;i++ )

if(numsArr[i] %2 == 0 )

{

numsArr[i] = even

}

}

console.log(numsArr);

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=0;

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

var inner\_array = numsArr[i];

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

str\_all +=inner\_array[j]

}

console.log(str\_all);

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(numsArr[i]%2!=0)

{

sum\_odd += numsArr[i]

}

else

{

sum\_even += numsArr[i]

}

}

}

console.log(sum\_odd);

console.log(sum\_even);