**Question-3**

1.

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);

**Solution:**

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);

**Explanation:**

Change initial value of i=0.

Increment i.

**Output:**

1234567891011

2.

var new\_string ="";

for (var i = 11; i > 0; i-- ) {

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

}

console.log(new\_string);

Solution:

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

var new\_string ="";

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

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

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

**Explanation:**

In this code initial value of i is changed from 11 to numArr.length, and condition >=0. While printing it will trim extra spaces at front and end.

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

3.

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);

**Solution:**

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);

**Explanation:**

In this code, the odd is changed to even because the condition in if is for even and written in

“ “(quotes).

**Output:**

[1, 'even', 3, 'even', 5, 'even', 7, 'even', 9, 'even', 11]

4.

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);

**Solution:**

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);

**Explanation:**

The even string should return in “”. numArr[i] changed to i to get the index value and check whether it is even or odd.

**Output:**

['even', 2, 'even', 4, 'even', 6, 'even', 8, 'even', 10, 'even']

5.

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);

**Solution:**

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);

**Explanation:**

It is necessary to initialize sum=0 and it has to be outside the for loop.

**Output**:66

6.

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);

**Solution:**

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);

**Explanation:**

The open parenthesis and close parenthesis are not in the if statement. After inserting it will work.

**Output:**

30

7.

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);

**Solution:**

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);

**Explanation:**

In this code, thehanges != changes to == to add even numbers and subtract with odd number. And the semicolon in the if statement has to be removed.

**Output:**

94

8.

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])

}

**Solution:**

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])

}

**Explanation:**

The output of the initial code is undefined. We have made a changes like insert coma between array and remove semicolon in for loop.

**Output:**

[1, 2, 3, 4, 5]

[6, 7, 8, 9, 10, 11]

9.

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);

**Solution:**

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++ )

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

}

console.log(str\_all);

**Explanation:**

In this code,instead of incrementing j++, they once again increment i, while changing it will work.

**Output:**

1234567891011

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);

**Solution:**

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++ )

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

{

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

}

}

console.log(numsArr);

**Explanation:**

Instead of incrementing j i is incremented. Adding inner loop, adding quotation to even and incrementing j, it will work correctly.

**Output:**

[1, 'even', 3, 'even', 5]['even', 7, 'even', 9, 'even', 11]

11.

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);

**Solution:**

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

var str\_all="";

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

var inner\_array = numsArr[i];

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

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

}}

console.log(str\_all);

**Explanation:**

Changing the outer loop will execute correctly.

**Output:**

11 10 9 8 7 6 5 4 3 2 1

12.

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);

**Solution:**

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);

**Explanation:**

By changing the inner loop,and providing an inner array for the sum,we can get output.

**Output:**

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