Day-6-Task

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

 new\_string += numsArr[i]

}

console.log(new\_string);

Ans:

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

var new\_string = "";

for (var i = 0; i < numsArr.length; 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 = “”;

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

 new\_string += numsArr[i] + ,

}

console.log(new\_string);

Ans:

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

var new\_string = "";

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

    new\_string += numsArr[i];

    // Add a comma after each number except the last one

    if (i < numsArr.length - 1) {

        new\_string += ",";

    }

}

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 new\_string = “”;

for (var i = 11; i > 0; i — ) {

 new\_string += numsArr[i] + “ “

}

console.log(new\_string);

Ans:

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

var new\_string = "";

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

    new\_string += numsArr[i];

    // Add a space after each number except the last one

    if (i > 0) {

        new\_string += " ";

    }

}

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] = odd

 }

}

console.log(numsArr);

Ans:

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

for (var i = 0; i < numsArr.length; 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(numsArr[i] %2 == 0 )

 {

 numsArr[i] = even

 }

}

console.log(numsArr);

Ans:

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

for (var i = 0; i < numsArr.length; 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];

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

 var sum;

 sum += numsArr[i]

}

console.log(sum);

Ans:

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

var sum = 0;

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

Ans:

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

var sum = 0;

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

Ans:

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) { // Check if the number is even

        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])

}

Ans:

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;i++ )

     str\_all +=inner\_array[j]

}

console.log(str\_all);

Ans:

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);

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]];

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);

Ans:

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) {

            inner\_array[j] = "even";

        }

    }

}

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=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);

Ans:

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.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(numsArr[i]%2!=0)

 {

 sum\_odd += numsArr[i]

 }

 else

 {

 sum\_even += numsArr[i]

 }

}

}

console.log(sum\_odd);

console.log(sum\_even);

Ans:

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);