

# MERN STACK DEVELOPMENT

## ES5 vs ES6 – Task 6

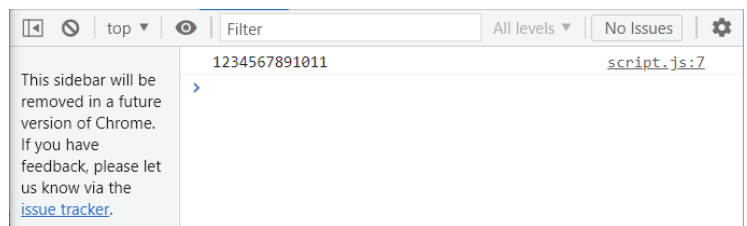
### 2. Part 2 : Find the culprits and nail them – debugging javascript loops

#### Write a code to print the numbers in the array

```
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);
```

**Expected Output: 1234567891011**

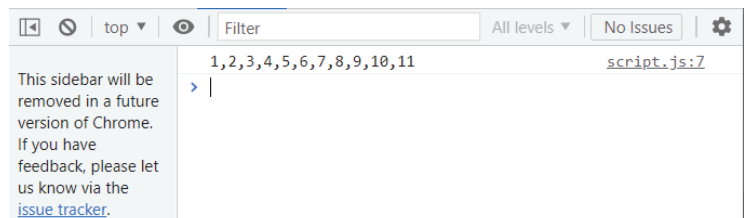


#### Write a code to print the numbers in the array

```
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.slice(0, -1));
```

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

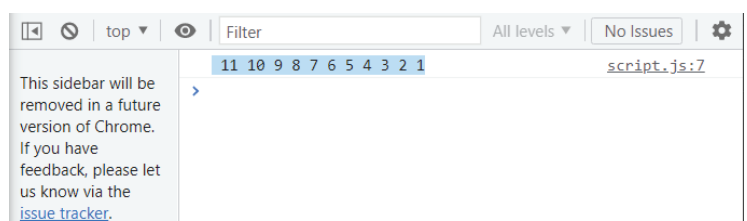


#### Write a code to print from last to first with spaces (Make sure there is no space after the last element 1)

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

```
for (i = 10; i >= 0; i--) {  
  new_string += numsArr[i] + " ";  
}  
console.log(new_string.slice(0, -1));
```

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



# MERN STACK DEVELOPMENT

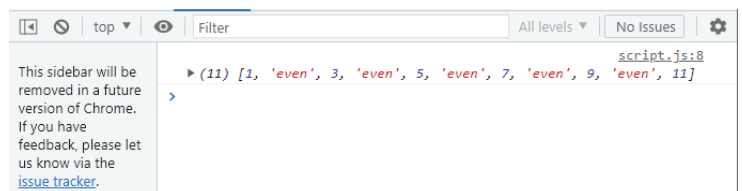
## ES5 vs ES6 – Task 6

**Write a code to replace the array value – If the number is even, replace it with '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);
```

**Expected Output:**

**[ 1, "even", 3, "even", 5, "even", 7, "even", 9, "even", 11]**

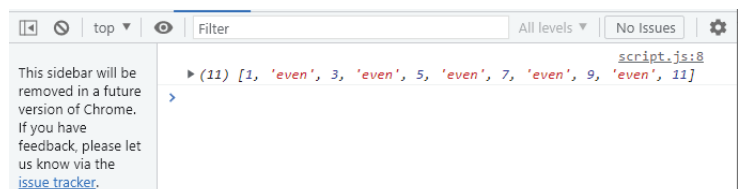


**Write a code to replace the array value – If the index is even, replace it with 'even'.**

```
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);
```

**Expected Output:**

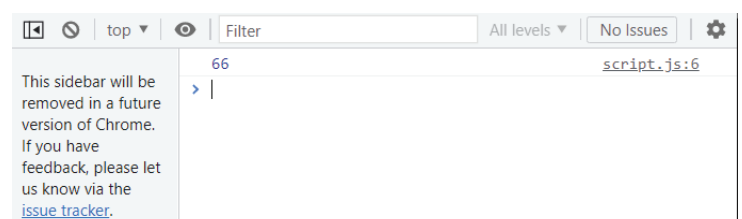
**[ 1, "even", 3, "even", 5, "even", 7, "even", 9, "even", 11]**



**Write a code to add all the numbers in the array**

```
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);
```

**Expected Output: 66**



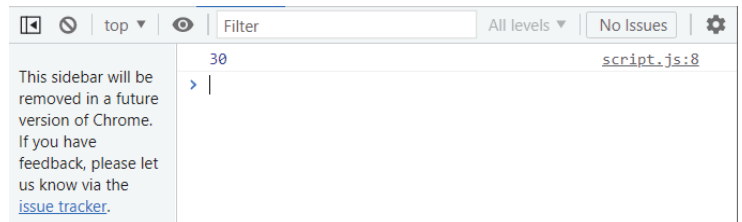
# MERN STACK DEVELOPMENT

## ES5 vs ES6 – Task 6

### Write a code to add the even numbers only

```
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);
```

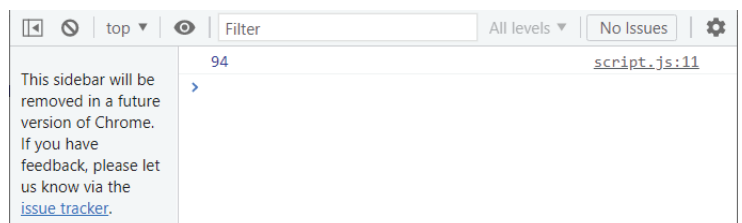
### Expected Output: 30



### Write a code to add the even numbers and subtract the odd numbers

```
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);
```

### Expected Output: 94



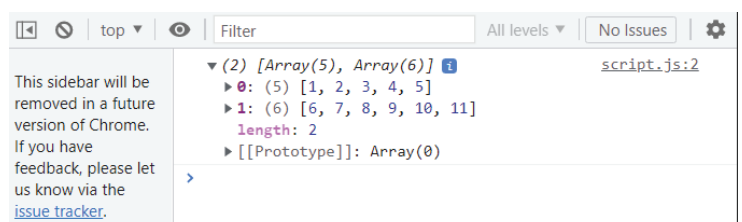
### Write a code to print inner arrays

```
var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]];
console.log(numsArr);
```

### Expected Output:

Array(5)[ 1, 2, 3, 4, 5 ]

Array(6)[ 6, 7, 8, 9, 10, 11 ]



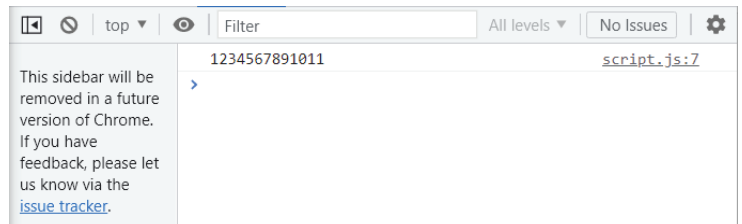
# MERN STACK DEVELOPMENT

## ES5 vs ES6 – Task 6

### Write a code to print elements in the inner arrays

```
var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]];
var arr = numsArr.flat();
var str_all = "";
for (var i = 0; i < arr.length; i++) {
  str_all += arr[i];
}
console.log(str_all);
```

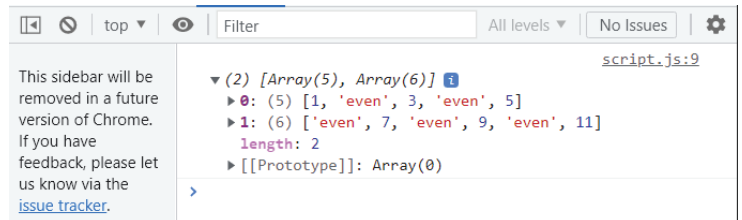
**Expected Output: 1234567891011**



### Write a code to replace the array value – If the index is even, replace it with 'even'.

```
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 (inner_array[j] % 2 == 0) {
      inner_array[j] = "even";
    }
  }
}
console.log(numsArr);
```

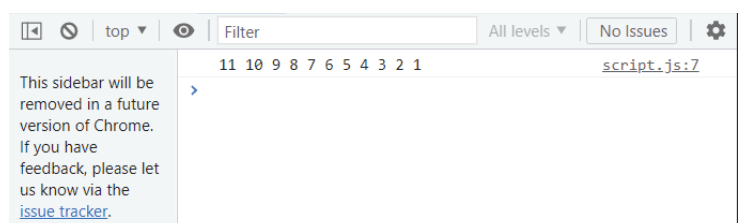
**Expected Output:**  
**[["even", 2, "even", 4, "even"], [6, "even", 8, "even", 10, ...]]**



### Write a code to print elements in the inner arrays in reverse

```
var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]];
var arr = numsArr.flat();
var newarr = "";
for (i = arr.length - 1; i >= 0; i--) {
  newarr += arr[i] + "";
}
console.log(newarr);
```

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



# MERN STACK DEVELOPMENT

## ES5 vs ES6 – Task 6

**Write a code to add elements in the inner arrays based on odd or even values**

var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]]; **Expected Output: 36 & 30**

```
var arr = numsArr.flat();
var sum_odd = 0;
var sum_even = 0;
for (var i = 0; i < arr.length; i++){
  if (arr[i] % 2 !== 0){
    sum_odd += arr[i];
  } else {
    sum_even += arr[i];
  }
}
console.log(sum_odd);
console.log(sum_even);
```

