

JS-2

Array Methods

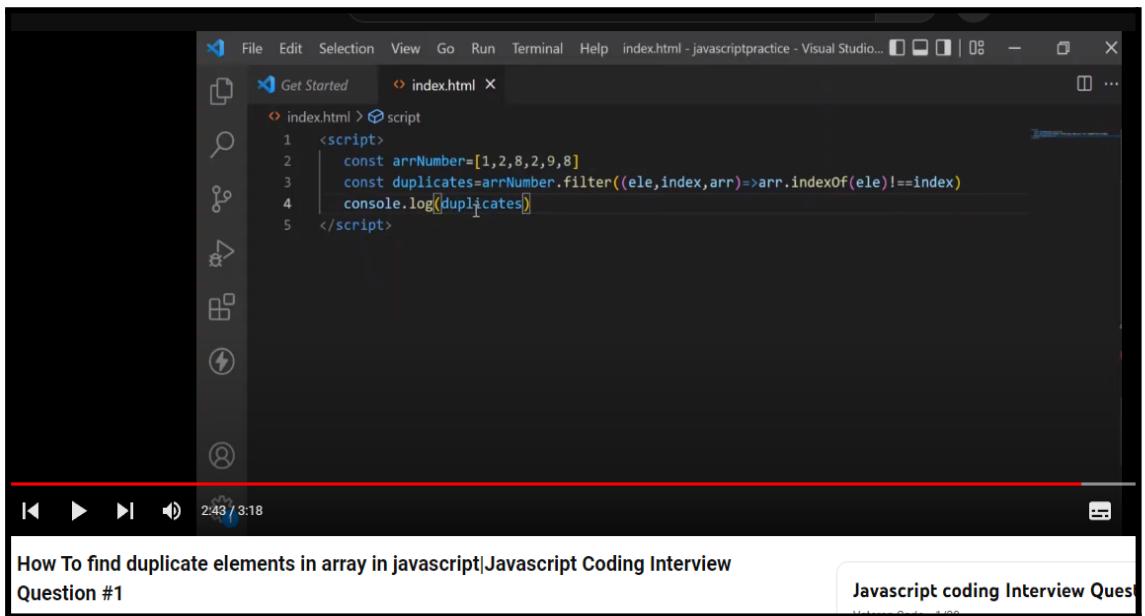
Map

Filter

Reduce

Promises

- What is an array ? Give a brief overview ?
→ <https://javascript.info/array-methods>
- Array methods which has been mostly asked in the interview



The screenshot shows a Visual Studio Code interface with a dark theme. A file named 'index.html' is open, containing the following JavaScript code:

```
<script>
const arrNumber=[1,2,8,2,9,8]
const duplicates=arrNumber.filter((ele,index,arr)=>arr.indexOf(ele)!==index)
console.log(duplicates)
</script>
```

The code uses the `filter` method to identify elements that have a different index than their first occurrence in the array. The results are then logged to the console.

At the bottom of the screen, there is a video player interface with the following text:

How To find duplicate elements in array in javascript|Javascript Coding Interview
Question #1

Javascript coding Interview Ques

File Edit Selection View Go Run Terminal Help index.html - javascriptpractice - Visual Studio... 🏠 🌐 ⚙️

Get Started index.html ✎

```
index.html > script arrNumber
1 <script>
2 const arrNumber=[1,9,87,65,65,76]
3 const maxFunction=(arr)=>{
4   return arr.reduce(function(pre,cur){
5     return pre>cur?pre:cur
6   })
7 }
8 console.log(maxFunction(arrNumber))
9 </script>
```

Live Reload is not possible without body or head tag. Source: Live Server (Extension) I understand, Don't show again

How To find max/min in a given array in javascript| Coding Interview Questions - #2 | Javascript coding Interview Questio..

File Edit Selection View Go ... index.html - javascriptpractice - V... 🏠 🌐 ⚙️

Get Started index.html ✎

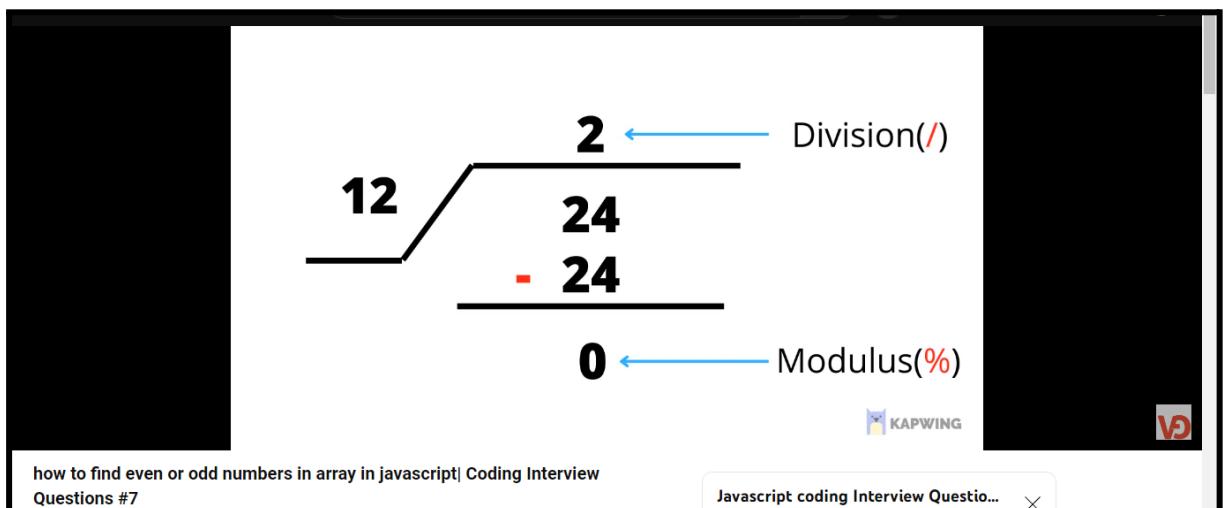
```
index.html > script
1 <script>
2 const intArray=[2,8,9,7]
3 const largestValue=(arr)=>{
4   firstLargestVlave=Math.max(...arr)
5   return(firstLargestVlave)
6 }
7 console.log(largestValue[intArray])
8 </script>
```

Live Reload is not possible without body or head tag. Source: Live Server (Extension) I understand, Don't show again KAPWING

How To find second Largest value in array|Javascript Coding Interview Question #4 | Javascript coding Interview Questio..

```
<script>
  const intArray=[2,8,9,7]
  const largestValue=(arr)=>{
    firstLargestValue=Math.max(...arr)
    index=arr.indexOf(firstLargestValue)
    arr.splice(index,1)
    secondLargestValue=Math.max(...arr)
    return(secondLargestValue)
  }
  console.log(largestValue(intArray))
</script>
```

How To find second Largest value in array|Javascript Coding Interview Question
#4 | Javascript coding Interview Questio...



```
<script>
  const numbers=[1,2,3,8,9,12,16]
  const evenNumbers=numbers.filter((item)=>{
    return item%2==0
  })
  console.log(['even']+[])
</script>
```

how to find even or odd numbers in array in javascript| Coding Interview Questions #7 Javascript coding Interview Questio...

File Edit Selection View Go Run Terminal ... • index.html - javascriptpractice - Visual Studio... 🔍 🌐 ⚙️ ⚙️

Get Started index.html ●

index.html > script

```
1 <script>
2   const numbers=[1,2,3,8,9,12,16]
3   const even=numbers.filter((item)=>{
4     return item%2==0
5   })
6   const odd=numbers.filter((item)=>{
7     return item%2==!0
8   })
9   console.log('even numbers',even)
10  console.log('odd numbers',odd) I
11 </script>
```

some governments have been
discussing lowering the voting
age to 16. What are the
advantages and
disadvantages of such an
action?

4:37

Veteran Code

KAPWING

how to find even or odd numbers in array in javascript| Coding Interview
Questions #7

Javascript coding Interview Questio...

File Edit Selection View Go Run Terminal ... • index.html - javascriptpractice - Visual Studio... 🔍 🌐 ⚙️ ⚙️

Get Started index.html ●

index.html > script

```
1 <script>
2   const arrNum=[1,9,6,4]
3   const sumOfNumbers=(arr)=>{
4     return arr.reduce((pre,cur)=>{
5       return pre+cur
6     })
7   } I
8 </script> length var length: number
9 
```

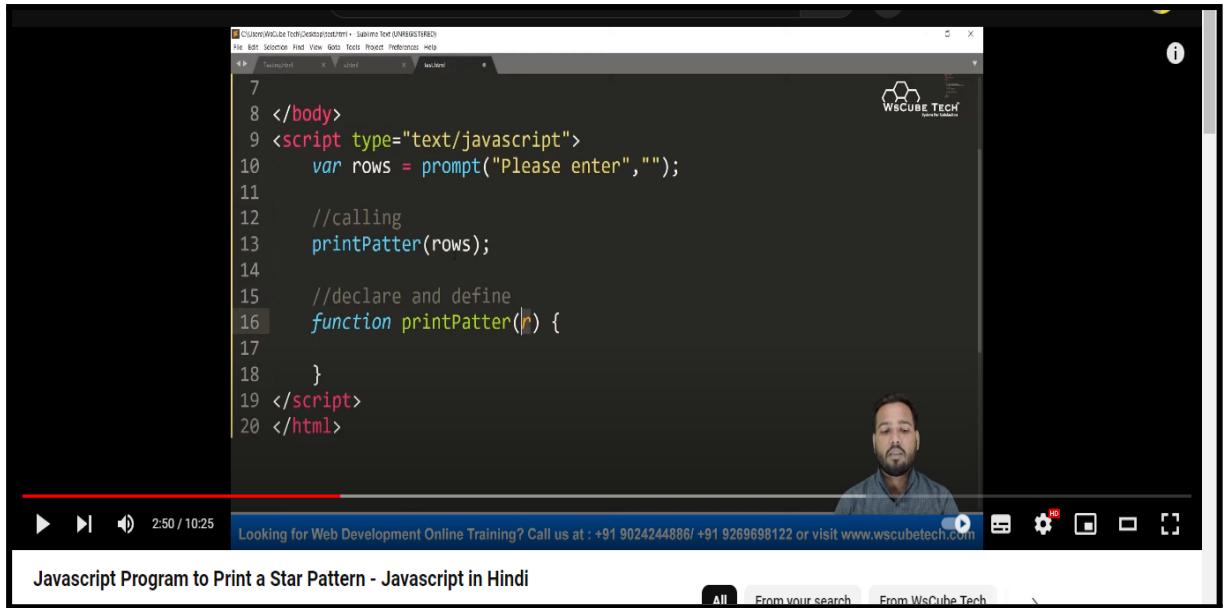
length

- let
- localStorage
- location
- locationbar
- log Log to the console
- Location
- Lock
- LockManager
- useLayoutEffectSnippet useLayoutEffect

KAPWING

How to find the sum of all elements in array in Javascript|Coding Interview
Question #8 |

Javascript coding Interview Questio...



- What is Map, Filter, Reduce in JS ?
 - <https://www.freecodecamp.org/news/javascript-map-reduce-and-filter-explained-with-examples/>
 - Everything accepts a callback function and 3 parameters which are (element, index, array)
- What is a Callback Function and Callback Hell ?
 - Kaafi saare callbacks ek sath define kar dena and code ko bina faltu lengthy bana dena
 - <https://www.scaler.com/topics/callback-hell-in-javascript/>
 - Isse bachne ke liye we are using promises.
 - <https://www.geeksforgeeks.org/what-to-understand-callback-and-callback-hell-in-javascript/>
- What are Promises ? Explain with async-await, try-catch and three states of them ?
 - <https://www.simplilearn.com/tutorials/javascript-tutorial/javascript-promise>
- Why are we using promises over a callback function ?
 - <https://betterprogramming.pub/callbacks-vs-promises-in-javascript-1f074e93a3b5>