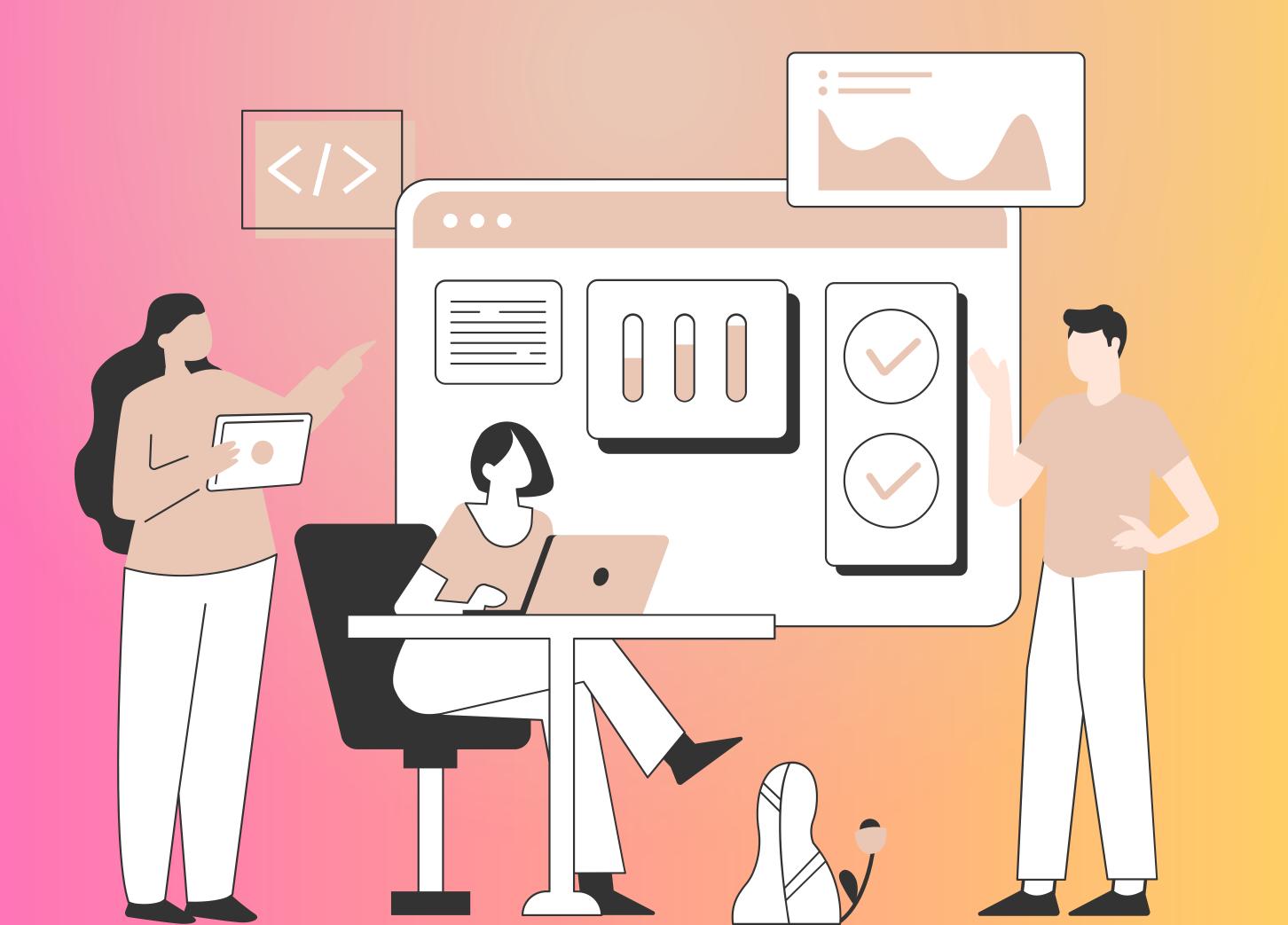


## JavaScript Interview Preparation in 10 Days



#### WHAT IS AN ARRAY IN JAVASCRIPT?

An array is a data structure that stores a collection of elements, which can be of any data type.

```
OOO sindex.js

let fruits = ["apple", "banana", "orange"];
console.log(fruits); // ["apple", "banana", "orange"]
```



#### HOW DO YOU ACCESS ELEMENTS IN AN ARRAY?

Elements in an array are accessed using square brackets
[] with the index number of the element.



#### HOW DO YOU ADD ELEMENTS TO AN ARRAY IN JAVASCRIPT?

Elements can be added to the end of an array using the push() method or at the beginning using the unshift() method

```
let fruits = ["apple", "banana"];
fruits.push("orange");
console.log(fruits); // ["apple", "banana", "orange"]
fruits.unshift("grape");
console.log(fruits); // ["grape", "apple", "banana", "orange"]
```



### WHAT IS THE PURPOSE OF THE LENGTH PROPERTY OF AN ARRAY?

It returns the number of elements in an array

```
OOO sindex.js

let fruits = ["apple", "banana", "orange"];
console.log(fruits.length); // 3
```



# FOREACH AND MAP ARRAY METHODS forEach iterates over each element in an array and executes a callback function, while map creates a new array by applying a function to each element

```
// forEach
let numbers = [1, 2, 3];
numbers.forEach(function(num) {
   console.log(num);
});
// map
let doubled = numbers.map(function(num) {
   return num * 2;
});
console.log(doubled); // [2]
```







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