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WEB-DEVELOPER

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.



JS

index.js

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

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HOW DO YOU ACCESS ELEMENTS IN AN ARRAY?

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



JS

index.js

```
let fruits = ["apple", "banana", "orange"];  
console.log(fruits[0]); // "apple"  
console.log(fruits[2]); // "orange"
```

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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



JS index.js

```
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



JS index.js

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

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EXPLAIN THE DIFFERENCE BETWEEN 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



JS index.js

```
// 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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