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forEach() in JavaScript



JS

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Hey Everyone 🙌

Javascript is everywhere. Millions of webpages are built on JS.

In this **Post**, you will learn about the **JavaScript forEach() method** with the help of examples.

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JavaScript forEach

The `forEach()` method calls a function for each element in an array.

- The `forEach()` method calls a function and iterates over the elements of an array.
- The `forEach()` method is not executed for empty elements.
- The `forEach()` method returns undefined.

- **Syntax** of the `forEach()`:

```
array.forEach(function(currentValue, index, arr))
```

- **function** – a function to be run for each element of an array
- **currentValue** – the value of an array
- **index (optional)** – the index of the current element
- **arr(optional)** – the array of the current elements

forEach with Arrays

The `forEach()` method is used to iterate over an array.

```
let students = ['Imtiyaz', 'Irshad', 'Vismay'];

// using forEach
students.forEach(display);

function display(item) {
  console.log(item);
}

// Imtiyaz
// Irshad
// Vismay
```

- the `forEach()` method takes `display()` function that displays **each element** of a students array.

Updating the Array Elements

To update array elements we **add a string** to **every element** of an array.

```
let students = ['Imtiyaz', 'Irshad', 'Vismay'];

// using forEach
students.forEach(updtStudent);

function updtStudent(item, index, arr) {
  // adding strings to the array elements
  arr[index] = 'Hello ' + item;
}

console.log(students);

// Hello Imtiyaz
// Hello Irshad
// Hello Vismay
```


forEach with Arrow Function

You can use the **arrow function** with the **forEach()** method to write a program.

```
let students = ['Imtiyaz', 'Irshad', 'Vismay'];  
  
// using forEach  
students.forEach( (element) => {  
  console.log(element);  
});  
  
// Imtiyaz  
// Irshad  
// Vismay
```

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