7 Loop Types in JavaScript
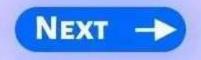
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Hey Everyone 👋

In this **Post**, we'll go through different ways of **Looping In Javascript** with the help of examples.

- for
- while
- do-while
- forEach
- map
- for-of
- for-in

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JavaScript for loop

- Syntax of the for loop:

```javascript
for (initialExpression; condition; updateExpression) {
    // for loop body
}
```

```javascript
const cars = ["TaTa", "Volvo", "BMW"];

for (let i = 0; i < cars.length; i++) {
    console.log(cars[i]);
}
```

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JavaScript while loop

- **Syntax** of the **while loop**:

```javascript
while (condition) {
    // body of loop
}
```

```javascript
const cars = ['TaTa', 'Volvo', 'BMW'];

let i = 0;

while (i < cars.length) {
  console.log(cars[i]);
  i++;
}
```

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JavaScript do-while loop

- Syntax of the do-while loop:

```javascript
do {
    // body of loop
} while(condition)
```

```javascript
const cars = ['TaTa', 'Volvo', 'BMW'];

let i = 0;

do {
  console.log(cars[i]);
  i++;
} while (i < cars.length);
```

JavaScript forEach loop

- Syntax of the forEach loop:

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

```javascript
const cars = ['TaTa', 'Volvo', 'BMW'];

cars.forEach((ele) => {
    console.log(ele);
});
```

JavaScript map

- Syntax of the map:

```
array.map(function(currentValue, index, arr), thisValue)
```

```javascript
const cars = ['TaTa', 'Volvo', 'BMW'];

const newCars = cars.map((ele) => {
  return ele.toUpperCase()
});
```

JavaScript for-of loop

- Syntax of the for-of loop:

```javascript
for (element of iterable) {
    // body of for...of
}
```

```javascript
const cars = ['TaTa', 'Volvo', 'BMW'];

for (let ele of cars) {
    console.log(ele);
}
```

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JavaScript for-in loop

- Syntax of the for-in loop:

```
for (key in object) {
    // body of for...in
}
```

```
const cars = {1:'TaTa', 2:'Volvo', 3:'BMW'};

for (let key in cars) {
    console.log(cars[key]);
}
```

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