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# 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:

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

```
const cars = ["TaTa", "Volvo", "BMW"];  
  
for (let i = 0; i < cars.length; i++) {  
  console.log(cars[i]);  
}
```





# JavaScript while loop

- Syntax of the while loop:

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

```
const cars = ['TaTa', 'Volvo', 'BMW'];  
  
let i = 0;  
  
while (i < cars.length) {  
    console.log(cars[i]);  
    i++;  
}
```



# JavaScript do-while loop

- Syntax of the do-while loop:

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

```
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))
```

```
const cars = ['TaTa', 'Volvo', 'BMW'];  
  
cars.forEach((ele) => {  
  console.log(ele);  
});
```

# JavaScript map

- Syntax of the map:

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

```
const cars = ['TaTa', 'Volvo', 'BMW'];  
  
const newCars = cars.map((ele) => {  
  return ele.toUpperCase()  
});
```





# JavaScript for-of loop

- Syntax of the for-of loop:

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

```
const cars = ['TaTa', 'Volvo', 'BMW'];  
  
for (let ele of cars) {  
  console.log(ele);  
}
```



# 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]);  
}
```