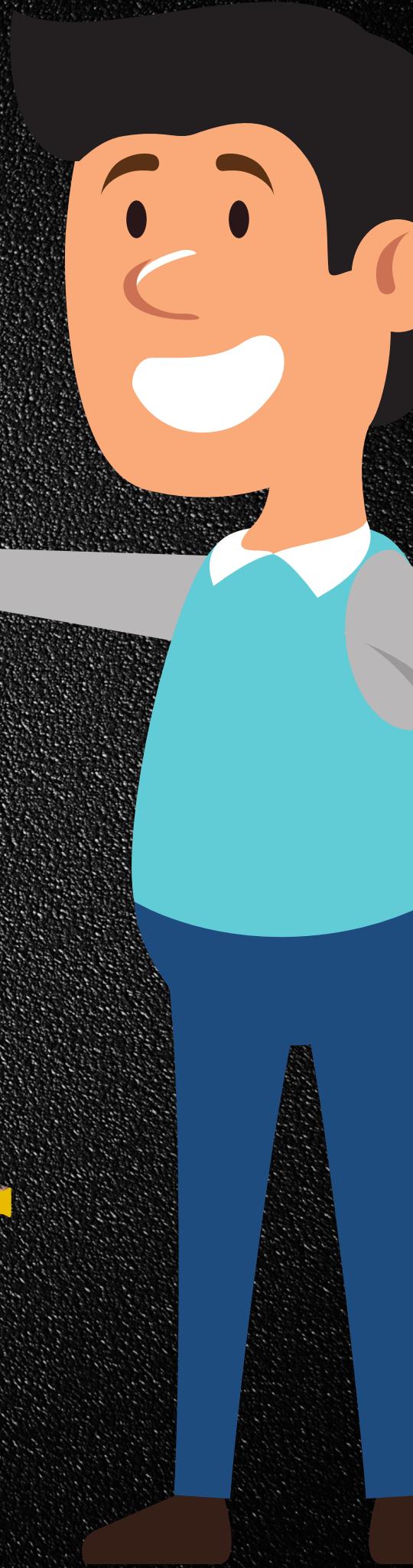


JS

forEach for...of for...in **LOOPS** **IN** **JAVASCRIPT**



WHAT ARE LOOPS ?

Loops are used to iterate over data and perform some function.

The main types of loops are :

- Traditional for loop
- for...each loop
- for..of loop
- for..in loop



JS

TRADITIONAL FOR LOOP



```
var movies= ['Interstellar', 'Parasite', 'Joker', 'Inception', 'Tenet'];
for (var i = 0; i < movies.length; i++)
{
    console.log(movies[i]);
}
```

OUTPUT :

```
Interstellar
Parasite
Joker
Inception
Tenet
```



NamasteDev.com

JS

FOR EACH LOOP

Uses a callback function for every array element

```
● ● ●

for..each with anonymous function:
movies.forEach(function(movie){
    console.log(movie);
})

//OR

for..each with arrow function:
movies.forEach(movie => console.log(movie));

//OR

for..each with optional Index parameter:
movies.forEach((movie,index) => console.log(movie, index));

This will print index value of each movie along with its name

OUTPUT:
Interstellar 0
Parasite 1
Joker 2
Inception 3
Tenet 4
```



NamasteDev.com

JS

FOR OF LOOP

Iterates over the values of an iterable object. Examples of iterable objects are arrays, strings, and NodeLists.

```
● ● ●

var movies= ['Interstellar', 'Parasite', 'Joker', 'Inception', 'Tenet'];
for(const i of movies)
{
    console.log(i);
}

OUTPUT :
Interstellar
Parasite
Joker
Inception
Tenet
```



NamasteDev.com

JS

FOR IN LOOP

Iterates over user-defined and all enumerable properties in addition to the array elements



```
for(var i in movies)
{
    console.log(`Movie name: ${movies[i]}, rank: ${i}`);
}
OUTPUT
Movie name: Interstellar, rank: 0
Movie name: Parasite, rank: 1
Movie name: Joker, rank: 2
Movie name: Inception, rank: 3
Movie name: Tenet, rank: 4
```

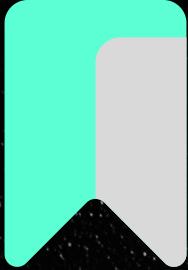


NamasteDev.com

KEY TAKEAWAYS

- ★ **for..in should not be used to iterate over an Array where the index order is important**
- ★ **better to use traditional for loop with a numeric index when iterating over arrays**
- ★ **for..in iterates over property names(key), for..of iterates over property values**





Save post now !

Was the post Helpful?

FOLLOW



@NamasteDevOfficial
on
Instagram



NamasteDev.com

