

for loops in



JavaScript

# #1 for loop



```
1 let numbersArray = [1,2,3,4,5,6,7];  
2  
3 for(let i=0;i<numbersArray.length;i++)  
4 {  
5   console.log(numbersArray[i]);  
6 }  
7  
8 //OUTPUT  
9 //1,2,3,4,5,6,7
```

Useful for iterating through all the elements present, until specified condition gets false

## #2 for in loop



```
1 let myDetails = { name: "Rohit Sharma", occupation: "Developer"};
2
3 for(let key in myDetails)
4 {
5   console.log(key,myDetails[key]);
6 }
7
8 //OUTPUT
9 //name Rohit Sharma
10 //occupation Developer
```

The for in loop iterates over the properties of an object. For each property, the code in the loop is executed.

## ... #3 for of loop

```
1 let numbersArray = [1,2,3];  
2  
3 for(let num of myDetails){  
4   console.log(num);  
5 }  
6  
7 //OUTPUT  
8 //1,2,3
```

The for of loop iterates over the values of many types of iterables i.e. arrays, set, map etc For each value in the iterable object, code executes

# #4 for each loop



```
1 let numbersArray = [1,2,3];  
2  
3 numbersArray.forEach((num)=>{  
4   console.log(num);  
5 })  
6  
7 //OUTPUT  
8 //1,2,3
```

Useful for iterating through arrays



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