

Day 25, Today's Topic

for...in loop

DAILY
JS



```
/* ===== */  
/* ===== Daily JS - Day 25 ===== */  
/* ===== */
```

Day 25: For ... In Loop

Welcome back to the day 25 of DailyJS, today's topic is
`for ... in` loop.

It's a very simple concept which you will be able to understand
in (probably) less than a minute. So let's go.

The `for ... in` loop iterates over the properties of an object.

Various loops (not including the ES6 helpers) in JS:

- **for** - loops through a block of code a number of times
- **for ... in** - loops through the properties of an object
- **for ... of** - loops through the values of an iterable object
- **while** - loops through a block of code while a specified condition is true
- **do/while** - loops through a block of code once, and then repeats the loop while a specified condition is true

Let's have a look at the syntax and a very simple example

```
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```



```
/* ===== */
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/* ===== */
```

Syntax

The syntax is very similar to the `for...of` loop.

In the `for...of` loop, we were getting each array element over an iteration, and here we are getting the key (through which we can easily find the value corresponding to that particular key)

```
```js
 for (<var/let/const> <Iterable name> in object) {
 // Do something
 ...
 ...
 }
```
```

```
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```

```
/* ===== */
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/* ===== */
```

Example

****Given an object having names and grades of each student, write a function which displays the scores of each student and then displays the class average.****

```
```js
const classScore = {
 "John": 98,
 "Kepler": 97,
 "Amanda": 86,
 "James": 85
};

const classAverage = (scores) => {
 let sum = 0, length = 0;
 for (const student in scores) {
 sum += scores[student];
 console.log(`${student} has a score: ${scores[student]}`);
 length++;
 }
 return sum/length;
}

const avg = classAverage (classScore);
console.log (`Class average is: ${avg}`);
```
```

That's it for today, see you tomorrow :)

```
/* ===== madhavbahl.tech/dailyjs/day25 ===== */
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```

Thank you!

Feel free to reach out...

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