

08

Important One-Liners in JavaScript



1. Summing the values of an object

This code uses the `Object.values` method to get an array of the object's values, and then uses `reduce` to sum them up.



```
let obj = { a: 5, b: 7, c: 3 }  
let sum = Object.values(obj).reduce((acc, val) => acc + val, 0)
```



2. Converting a string to title case

This code uses a regular expression to match the first letter of each word (`\b\w`), and then uses a callback function to convert it to uppercase.



```
let str = 'the quick brown fox'  
let titleCase = str.replace(/\b\w/g, (char) =>  
  char.toUpperCase())
```



3. Reversing the order of words in a string

This code splits the string into an array of words using the `split` method, reverses the array, and then joins it back into a string with spaces between each word.



```
let str = 'Hello World!'
let reversedWords = str.split(' ').reverse().join(' ')
```



4. Checking if an array contains a value

This code uses the `includes` method to check if the value `2` is included in the array.

Repeating a string a given number of times.



```
let arr = [5, 7, 2, 9, 1]
let hasValue = arr.includes(2)
```



5. Sorting an array of objects by a property value

This code uses the `sort` method with a callback function that compares the `age` property of each object.

```
let arr = [
  { name: 'Alice', age: 25 },
  { name: 'Bob', age: 30 },
  { name: 'Charlie', age: 20 },
]
let sortedArr = arr.sort((a, b) => a.age - b.age)
```



6. Generating a random number within a range

This code defines an arrow function that generates a random integer between `min` and `max`.



```
let randomInRange = (min, max) =>  
  Math.floor(Math.random() * (max - min +  
1)) + min
```



7. Detect Dark mode

You can check if the user is using dark mode.



```
const isDarkMode =  
  window.matchMedia && window.matchMedia('(prefers-color-scheme:dark)').match
```



8. Extract domain name from an Email

You can use the `substring()` method to extract the domain name of an email.



```
let email = 'contact@slowdeveloper.com'  
let getDomain = email.substring(email.indexOf('@') + 1)
```



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