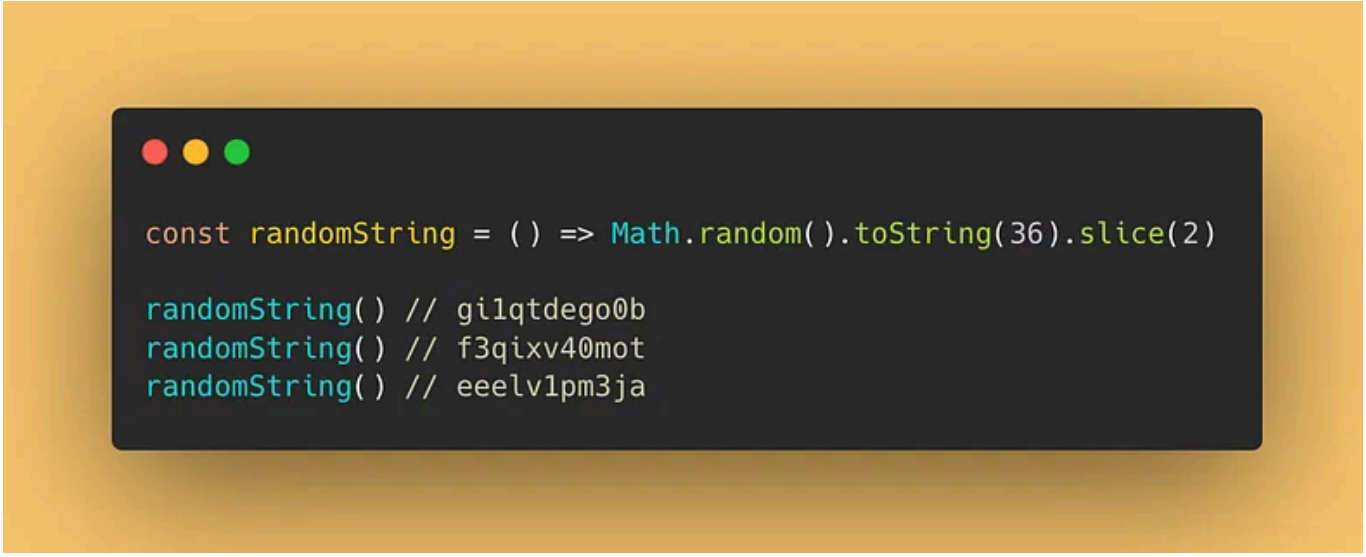
1. Generate a Random String

Creating a random string is a common task, especially when you need unique identifiers. You can achieve this with `Math.random()`, converting the number to base-36, and slicing off the leading "0."




```
const randomString = () => Math.random().toString(36).slice(2);

randomString() // gl1qtdego0q
randomString() // f4qixv40moc
randomString() // eielv1pm3ju
```

Documentation for Math.random()

2. Escape HTML Special Characters

To prevent cross-site scripting (XSS) attacks, it's essential to escape HTML special characters in strings. This function replaces characters like `&`, `<`, `>`, `"`, and `'` with their corresponding HTML entities.


```
const escape = (str) => str.replace(/[&<>"']/g, (m) => ({ '&': '&amp;', '<': '&l
```

Documentation for Regular Expressions

3. Uppercase the First Character of Each Word in a String

Capitalize the first letter of each word in a string with this function.

Documentation for String.prototype.replace()

4. Convert a String to camelCase

This function transforms a string with spaces, hyphens, or underscores into camelCase.


```
const toCamelCase = (str) => str.trim().replace(/[-_\s]+(.)?/g, (_, c) => (c ? c
```

Documentation for String.prototype.trim()

5. Remove Duplicate Values in an Array

Use a Set to effortlessly remove duplicate values from an array.


```
const removeDuplicates = (arr) => [...new Set(arr)];
```

Documentation for Set

6. Flatten an Array

Flatten a nested array into a one-dimensional array with either recursion or the `reduce` method.

```
// Using recursion
const flat = (arr) => [].concat.apply([], arr.map((a) => (Array.isArray(a) ? fla

// Using reduce
const flat = (arr) => arr.reduce((a, b) => (Array.isArray(b) ? [...a, ...flat(b)
```

Documentation for Array.isArray()

7. Remove Falsy Values from an Array

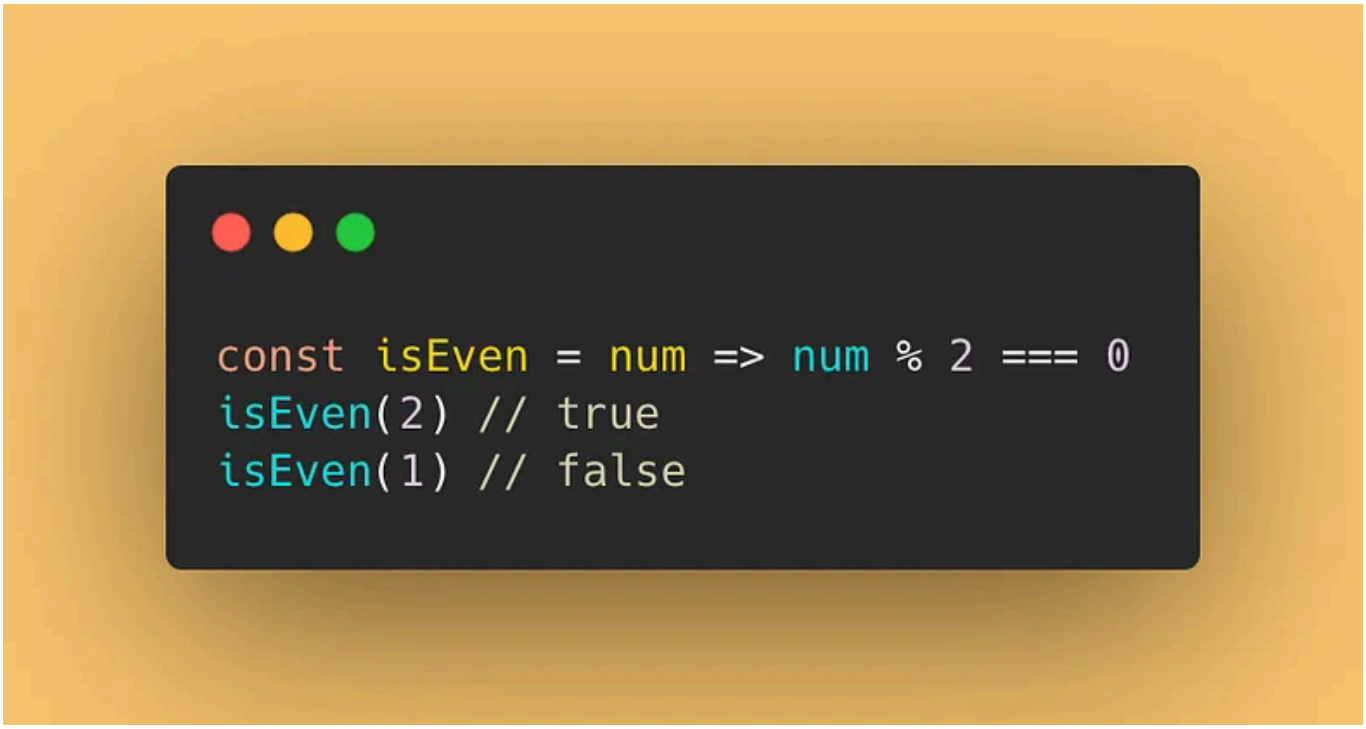
This function filters out all falsy values (e.g., `0`, `null`, `undefined`, `false`) from an array.


```
const removeFalsy = (arr) => arr.filter(Boolean);
```

Documentation for Array.prototype.filter()

8. Check if a Number Is Even or Odd

Determine whether a number is even or odd with a straightforward modulo operation.




```
const isEven = (num) => num % 2 === 0;
```

Documentation for Arithmetic Operators

9. Get a Random Integer Between Two Numbers

Obtain a random integer within a specified range using this function.


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

Documentation for Math.floor()

10. Calculate the Average Value of Arguments

Find the average value of multiple arguments using the `reduce` method.


```
const average = (...args) => args.reduce((a, b) => a + b) / args.length;
```

Documentation for Array.prototype.reduce()

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