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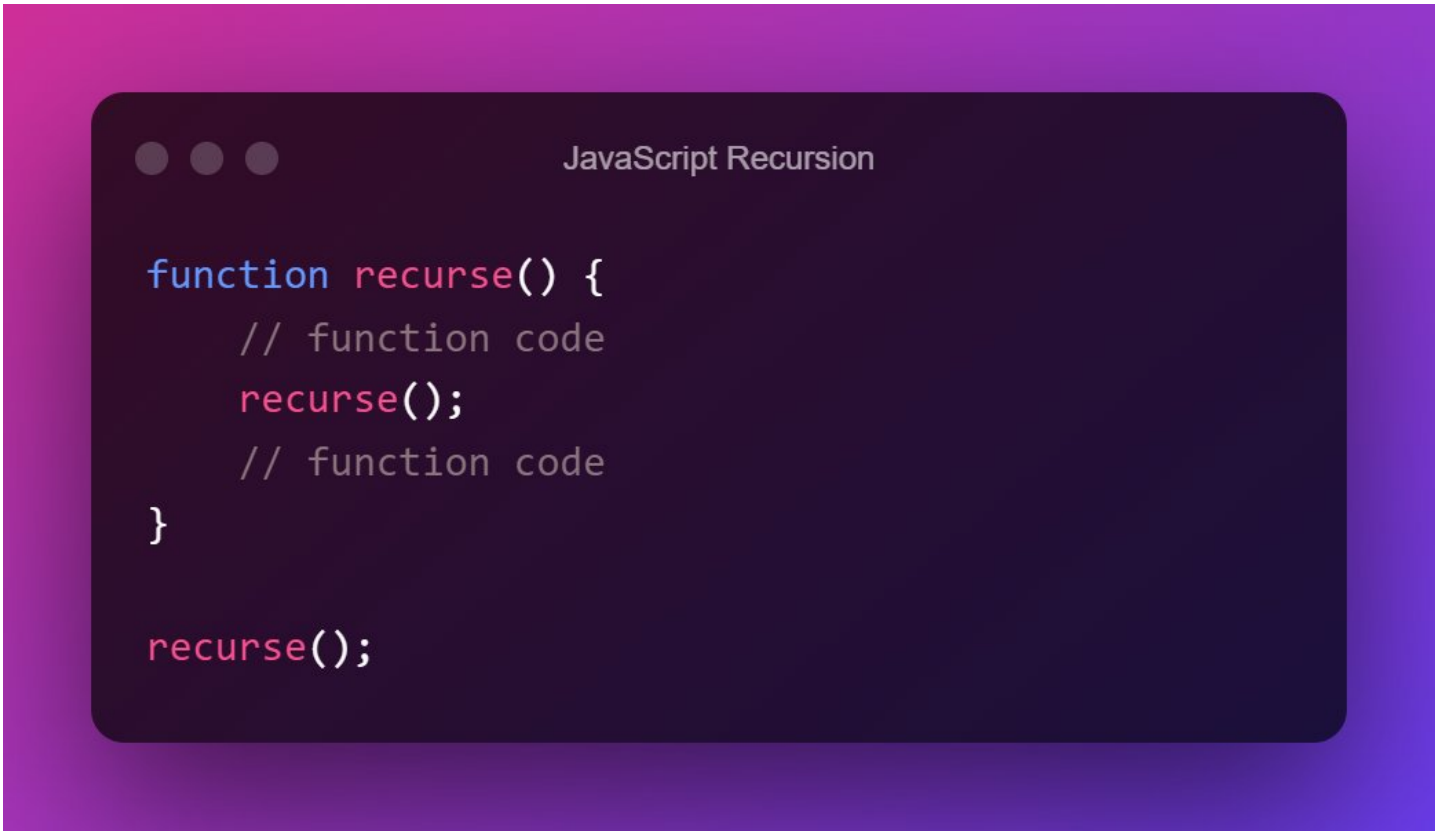
Learn JavaScript Recursion

The Complete Guide:

Thread ■

Recursion is a process of calling itself. A function that calls itself is called a recursive function.

syntax -



A recursive function must have a condition to stop calling itself. Otherwise, the function is called indefinitely.

A simple example of a recursive function would be to count down the value to 1.



Example 2: Find Factorial

Find Factorial

```javascript
// program to find the factorial of a number
function factorial(x) {

    // if number is 0
    if (x === 0) {
        return 1;
    }

    // if number is positive
    else {
        return x * factorial(x - 1);
    }
}

const num = 5;

// calling factorial() if num is non-negative
if (num > 0) {
    let result = factorial(num);
    console.log(`The factorial of ${num} is ${result}`);
}
```

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