if statement in js

The **if** statement in JavaScript is a fundamental control structure that enables you to execute a block of code only if a specific condition is true. It allows your program to make decisions and choose what actions to take based on the evaluation of a given condition.

The basic syntax of the **if** statement is as follows:

```
if (condition)
{   // Code to execute if the condition is true
}
```

- The **condition** is an expression that evaluates to either **true** or **false**.

- If the **condition** is true, the code inside the curly braces **{}** will be executed.

- If the **condition** is false, the code block inside the curly braces **{}** will be skipped entirely.

- The {} is optional if there is only a single statement is to be controlled.

Example:

Suppose you want to write a program that tells you whether a given number is positive or not. If the number is greater than zero, it's positive; otherwise, it's not positive.

```
// Let's say the number you're checking is 7
let number = 7;

// Now, let's use an if statement to check if the number is positive
if (number > 0)
{   console.log("The number is positive.");
    // This message will be printed if the condition is true (number is greater than 0)
}
if (number <= 0)
{   console.log("The number is zero/negative.");
    // This message will be printed if the condition is true (number is lesser than 0 or equal to 0)
}
```

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