Comments in HTML (Developer Best Practices)

Overview

As you write more code, your HTML files will become larger and more complex. To manage this, professional software engineers use a feature called **Comments**. An HTML comment is a piece of text written inside your code that is completely ignored by the web browser. It is invisible to the user visiting your website; it is meant strictly for the developer reading the code.

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1. The Comment Syntax

To write an HTML comment, you must use a specific sequence of characters. It starts with an opening angle bracket, an exclamation mark, and two dashes.

Anything written between those dashes will not be rendered on the screen.

```html
<body>
  <!-- Comment -->
  <h1>Welcome to my Tech Blog</h1>
</body>
```

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2. Why Developers Use Comments

If the user cannot see them, why do we write them? There are three major reasons developers use comments heavily in the industry.

Reason 1: Code Documentation

When you write thousands of lines of code, you might forget *why* you wrote a specific section if you look at it 6 months later. Comments act as notes to your future self or to other developers working on the same project.

```html
  <!-- This is a paragraph that explain about the discount -->
<p>Get 50% off all web development courses today.</p>
```

Reason 2: Code Organization

A standard web page has many sections (Header, Main Content, Sidebar, Footer). Developers

use large, stylized comments to create visual dividers in their code, making it much easier to scroll through and find what they are looking for.

```html
 <!-- Main Heading-->
<h1>Techtial Academy</h1>

 <!-- First Paragraph -->
<p>Copyright 2026. All rights reserved.</p>
```

Reason 3: Debugging (The Most Important!)

Sometimes, a piece of code you wrote breaks the website. Instead of completely deleting the code (and losing your hard work), you can temporarily turn it into a comment. The browser will ignore it, allowing you to see if that specific line was causing the issue.

```html
<!--
<p>Feature 1 is working fine.</p>

<p>Feature 3 is working fine.</p>
-->
```

3. The VS Code Pro Shortcut

You do not need to manually type `` every time you want to make a comment. VS Code has a built-in shortcut that professional developers use constantly.

- **Windows & Linux:** Select the line of code and press Ctrl + / (Forward Slash).
- **Mac:** Select the line of code and press Cmd + /

Pressing it once will instantly turn the code into a comment. Pressing it again will remove the comment and turn it back into active code.