

Day 5



"Web Development + Security"

Tables:

What is a table in HTML?

In HTML, a table is used to organize data into rows and columns, like a grid. It's created with the tag and contains:

- $\langle tr \rangle \rightarrow table row$
- → table data (cell)
- → table header (for column titles, usually bold & centered)

Example:

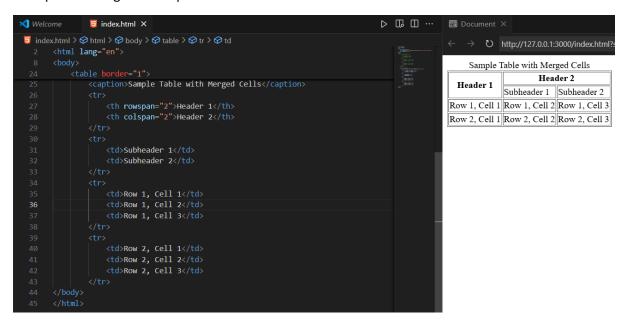
Attribute / Tag	Use Case	Example
	Main container for the table	
	Defines a row	
	Table header cell (bold & centered by default)	Name
>	Table data cell	Aditya
border (HTML) / CSS border	Adds border around table/cells (prefer CSS in modern HTML)	<pre> or table { border: 1px solid black; }</pre>
colspan	Cell spans multiple columns	Merged Cell

Attribute / Tag	Use Case	Example
rowspan	Cell spans multiple rows	Merged Cell
cellpadding	Space between cell content and border (use CSS: padding)	
cellspacing	Space between table cells (use CSS: border-spacing)	
<caption></caption>	Adds a title/caption to the table	<caption>User Info</caption>

Example: Showing use of rowspan and colspan

Example: Where one required cell is missing

Example: showing use of caption



Example: showing use of <thead>, and <tfoot>

```
index.html > ♦ html > ♦ body
                                                                   \leftarrow \rightarrow \mho http://1
    <html lang="en">
                                                                    Item Price
                                                                   Apple $2
                                                                   Banana $1
               Item
                                                                   Orange $3
               Price
                                                                   Total
                                                                       $6
               Apple
               $2
               Banana
               $1
               Orange
               $3
              Total
               $6
```

Security Best Practices for Tables

- Always sanitize user input before showing it in or .
- Use semantic tags (<thead>, , <tfoot>) to keep data structured and prevent confusion.
- Don't use tables for layout/design, only for data.
- Use HTTPS if table data is fetched from APIs (prevents tampering).
- Escape special characters (<, >, ", etc.) when inserting data into a table dynamically.

--The End--