HTML tables are used to display tabular data—information that is best organized into a grid of rows and columns, like a spreadsheet. While they were once used for page layout, this is now considered a bad practice. Their true purpose is to structure data.

## **Core Table Structure**

A table has a clear, hierarchical structure.

Tag	Name	Description
	Table	The main container for the entire table. All other table elements must be inside this tag.
	Table Row	Defines a single row within the table.
	Table Header	Defines a header cell. The text is <b>bold</b> and <b>centered</b> by default. It's used to give a title to a column (or sometimes a row). It must be placed inside a
	Table Data	Defines a standard data cell. The text is regular and left-aligned by default. This is where your actual data goes. It must be placed inside a  .

## Exmple:

```
HTML
First Name
 Last Name
John
 Doe
```

This will create a simple 2x2 table.

## **Semantic Grouping Tags**

For more complex tables, it's a best practice to group your rows into logical sections. These tags help with accessibility and styling and provide a clearer structure.

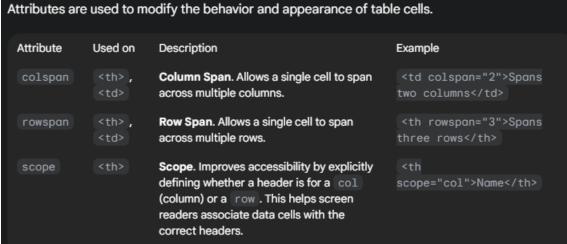
```
Example with Grouping:
HTML
                                        0
<thead>
   Item
   Price
  </thead>
 Apple
   $1.00
   Orange
   $1.50
 <tfoot>
   Total
   $2.50
  </tfoot>
```

Tag	Name	Description
<thead></thead>	Table Head	Groups the header content of the table. It should contain one or more      elements with  cells. There can only be one <thead> per table.</thead>
	Table Body	Groups the main body content of the table. This is where the bulk of your data rows (  with  cells) will go.
<tfoot></tfoot>	Table Foot	Groups the footer content of the table. It's often used for summary rows, like totals or conclusions. There can only be one <tfoot> per table.</tfoot>

## **Table Caption**

The <caption> tag provides a title or description for the entire table.

- It must be placed immediately after the opening tag.
- It is crucial for accessibility, as it gives context to screen readers before they read the cell data.
- A table can only have one <caption>.



```
Example Using colspan and rowspan:
<caption>Employee Schedule</caption>
   <thead>
      Employee
          Shift
      Morning
          Afternoon
      </thead>
   Alice
          9am - 1pm
          1pm - 5pm
      Bob
         9am - 5pm (Full Day)
```