HTML Tables

Basic Structure

An HTML table is defined with the tag. Within this tag, you can use several other tags to build the table's structure.

Table Tags

- **``**: This tag defines the table itself.
- **`` (Table Row)**: This tag defines a row in the table.
- **`` (Table Header)**: This tag defines a header cell in a table. It is usually bold and centered.
- **'' (Table Data)**: This tag defines a standard data cell in a table.

Example of a Simple Table

```
Header 1
Header 2
Header 3
Data 1
Data 2
Data 3
Data 4
Data 5
Data 6
```

Table Attributes

```
    **`border`**: Specifies the width of the border around the table and its cells.
    ```html
```

• \*\*`cellpadding`\*\*: Specifies the space between the cell content and its borders.
```html

Table Headers

Table headers are defined with the tag. Headers can span multiple columns or rows.

```
    Header spanning two columns

    Header spanning two rows
```

Nested Tables

Tables can be nested within other tables.

```
Nested Table Cell
```

Advanced Features

```
**Caption**: Adds a title to the table using the <caption> tag.
  ```html
 <caption>Table Caption
 Column Grouping: The <colgroup> and <col> tags allow for styling columns.
  ```html
  <colgroup>
   <col style="background-color:yellow">
   <col style="background-color:cyan">
   </colgroup>
   Cell 1
   Cell 2
   • **Table Sections**: The <thead>, , and <tfoot> tags divide the table into
  sections.
  ```html
 <thead>
 Header 1
 Header 2
 </thead>
 Data 1
 Data 2
 <tfoot>
 Footer 1
 Footer 2
 </tfoot>
```

## **Accessibility Considerations**

```
• **`<summary>`**: Provide a summary of the table content.
```

```
 ***'scope' attribute**: Use it in to define the range of the header.
 "'html
 Column Header
 <ch scope="row">Row Header
 <ch scope="row">Row Header
 <ch scope="row">Header
 <ch scope="row">Header
 Header
 <th scope="r
```

# **Styling Tables**

Tables can be styled using CSS to enhance their appearance.

Data

```
<style>
table {
 width: 100%;
 border-collapse: collapse;
}
th, td {
 border: 1px solid black;
 padding: 10px;
 text-align: left;
}
th {
 background-color: #f2f2f2;
}
</style>
```