# Tables

**Table Row Element <tr>**

The table row element, <tr>, is used to add rows to a table before adding table data and table headings.

<table> <tr> ... </tr> </table>

**Table Data Element <td>**

The table data element, <td>, can be nested inside a table row element, <tr>, to add a cell of data to a table.

<table> <tr> <td>cell one data</td> <td>cell two data</td> </tr> </table>

**Table Head Element <thead>**

The table head element, <thead>, defines the headings of table columns encapsulated in table rows.

<table> <thead> <tr> <th>heading 1</th> <th>heading 2</th> <th>heading 3</th> </tr> </thead> <tbody> <tr> <td>col 1</td> <td>col 2</td> <td>col 3</td> </tr> </tbody> </table>

**rowspan Attribute**

Similar to colspan, the rowspan attribute on a table header or table data element indicates how many rows that particular cell should span within the table. The rowspan value is set to 1 by default and will take any positive integer up to 65534.

<table> <tr> <th>row 1:</th> <td>col 1</td> <td>col 2</td> </tr> <tr> <th rowspan="2">row 2 (this row will span 2 rows):</th> <td>col 1</td> <td>col 2</td> </tr> <tr> <td>col 1</td> <td>col 2</td> </tr> <tr> <th>row 3:</th> <td>col 1</td> <td>col 2</td> </tr> </table>

**Table Body Element <tbody>**

The table body element, <tbody>, is a semantic element that will contain all table data other than table heading and table footer content. If used, <tbody> will contain all table row <tr> elements, and indicates that <tr> elements make up the body of the table. <table> cannot have both <tbody> and <tr> as direct children.

<table> <tbody> <tr> <td>row 1</td> </tr> <tr> <td>row 2</td> </tr> <tr> <td>row 3</td> </tr> </tbody> </table>

**Table Heading Element <th>**

The table heading element, <th>, is used to add titles to rows and columns of a table and must be enclosed in a table row element, <tr>.

<table> <tr> <th>column one</th> <th>column two</th> </tr> <tr> <td>1</td> <td>2</td> </tr> </table>

**colspan Attribute**

The colspan attribute on a table header <th> or table data <td> element indicates how many columns that particular cell should span within the table. The colspan value is set to 1 by default and will take any positive integer between 1 and 1000.

<table> <tr> <th>row 1:</th> <td>col 1</td> <td>col 2</td> <td>col 3</td> </tr> <tr> <th>row 2:</th> <td colspan="2">col 1 (will span 2 columns)</td> <td>col 2</td> <td>col 3</td> </tr> </table>

**Table Footer Element <tfoot>**

The table footer element, <tfoot>, uses table rows to give footer content or to summarize content at the end of a table.

<table> <thead> <tr> <th>heading 1</th> <th>heading 2</th> <th>heading 3</th> </tr> </thead> <tbody> <tr> <td>col 1</td> <td>col 2</td> <td>col 3</td> </tr> </tbody> <tfoot> <tr> <td>summary of col 1</td> <td>summary of col 2</td> <td>summary of col 3</td> </tr> </tfoot> </table>

**Table Element <table>**

In HTML, the <table> element has content that is used to represent a two-dimensional table made of rows and columns.