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## The tr, th, td, colgroup, col tags

# The tr, th, td, colgroup, col tags

Let's now create the most basic table with a few cells.

**<tr>**

Creates a table row.

**<th>**

There are two types of cells in a table - header and standard. **<th>** creates table header cells. The content of table header cells is bold and centered by default.

```
1. <table border=1>
2.   <tr>
3.     <th>Name</th>
4.     <th>Age</th>
5.   </tr>
6. </table>
```



Attribu tes for <th>	Purpose	Usage	Output
colspa n	Specifies the number of cells you want that column to span (cover)  Possible values: positive integer number	<th colspan="2">	<a href="#">View example</a>
rowspa n	Specifies the number of cells you want the row to span (cover)  Possible values: positive integer number	<th rowspan="2">	<a href="#">View example</a>
scope	Specifies if a header cell is the header for a row, column, rowgroup or colgroup  Possible values: row, col, rowgroup, colgroup, auto	<th scope="row">	<a href="#">View example</a>

<td>

Creates table data (standard) cells. Content of table data cells is regular and left-aligned by default.

With these tags we can create a simple table.

```
1. <table border=1>
2.   <tr>
3.     <th scope="col">Name</th>
4.     <th scope="col">Age</th>
5.   </tr>
6.   <tr>
7.     <td>Alexa</td>
8.     <td>23</td>
9.   </tr>
10.  <tr>
11.    <td>James</td>
12.    <td>35</td>
13.  </tr>
14. </table>
```



Attribu tes for <td>	Purpose	Usage	Output
colspa n	<p>Specifies the number of cells you want that column to span (cover)</p> <p>Possible values: positive integer number</p>	<td colspan="2">	<a href="#">View example</a>

rowspan	Specifies the number of cells you want the row to span (cover)  Possible values: positive integer number	<code>&lt;td rowspan="2"&gt;</code>	<a href="#">View example</a>
headers	Value is the 'id' of the <code>&lt;th&gt;</code> tag it corresponds to if any	<pre> &lt;tr&gt;   &lt;th id="header-id"&gt; &lt;/tr&gt; &lt;tr&gt;   &lt;td headers="header-id"&gt;   &lt;td headers="header-id"&gt; &lt;/tr&gt; </pre>	<a href="#">View example</a>

## The `<colgroup>` and `<col>` tags

### `<colgroup>`

This tag allows you to group columns in a table. Grouping columns is useful if you want to specify properties for a group of columns like applying styles to the whole column instead of repeating it for each cell.

Attribute:

- `span` - takes a positive integer value. It specifies the number of columns you want your `colgroup` to span (cover). The `colgroup` element shares its attributes like style and width with all the columns it spans. Essentially it allows a single cell to stretch to cover multiple columns on a particular row.

### `<col>`

Used within `<colgroup>`, the `<col>` tag specifies the column property for each column within a `colgroup`. The only element a `<colgroup>` can contain is `<col>`.

Attribute:

- `span` - takes a positive integer value. It specifies the number of columns you want the `col` element to span (cover).

Consider the table above we created using `<tr>`, `<th>` and `<td>`. Let's say I want the 'name' column to be in green and the 'age' column to be orange. You need to use the `<colgroup>` and `<col>` tags to achieve styling effects specific to a column.

```
1. <body>
2.   <table border=1>
3.     <colgroup>
4.       <col span="1" style="background-color:green">
5.       <col span="1" style="background-color:orange">
6.     </colgroup>
7.     <tr>
8.       <th>Name</th>
9.       <th>Age</th>
10.    </tr>
11.    <tr>
12.      <td>Alexa</td>
13.      <td>23</td>
14.    </tr>
15.    <tr>
16.      <td>James</td>
17.      <td>35</td>
18.    </tr>
19.  </table>
20. </body>
```



## Knowledge check 5.2.1 (not graded)

0 points possible (ungraded)

Which of the following tags will you use to add cells to the table header?

☐ < head >

☐ < td >

☒ < th > ✓

☐ < tr >

Submit

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