

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

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

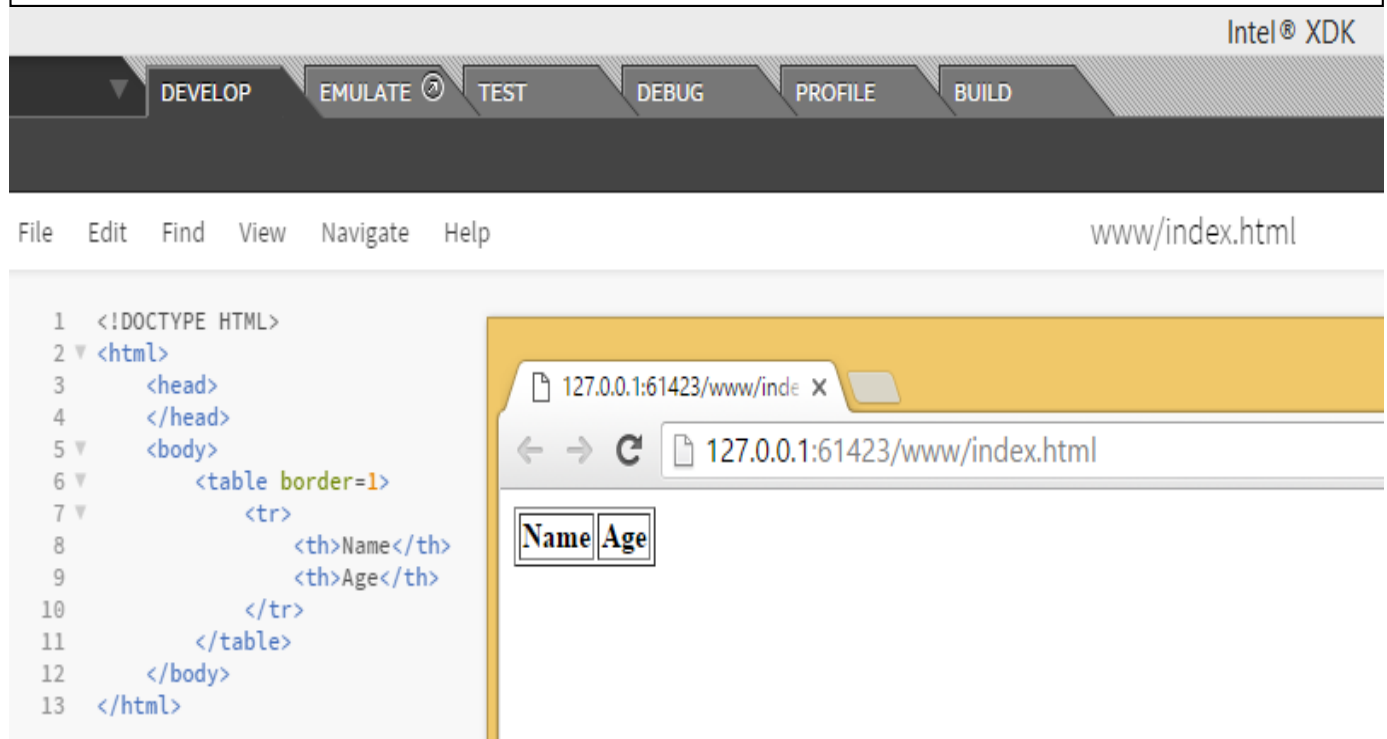
`<tr>`

Creates a table row.

`<th>`

There are two types of cells in a table - header and standard. `<th>` creates table header cells. Content of table header cells are bold and centered by default.

```
<table border=1>
  <tr>
    <th>Name</th>
    <th>Age</th>
  </tr>
</table>
```



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

## <td>

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

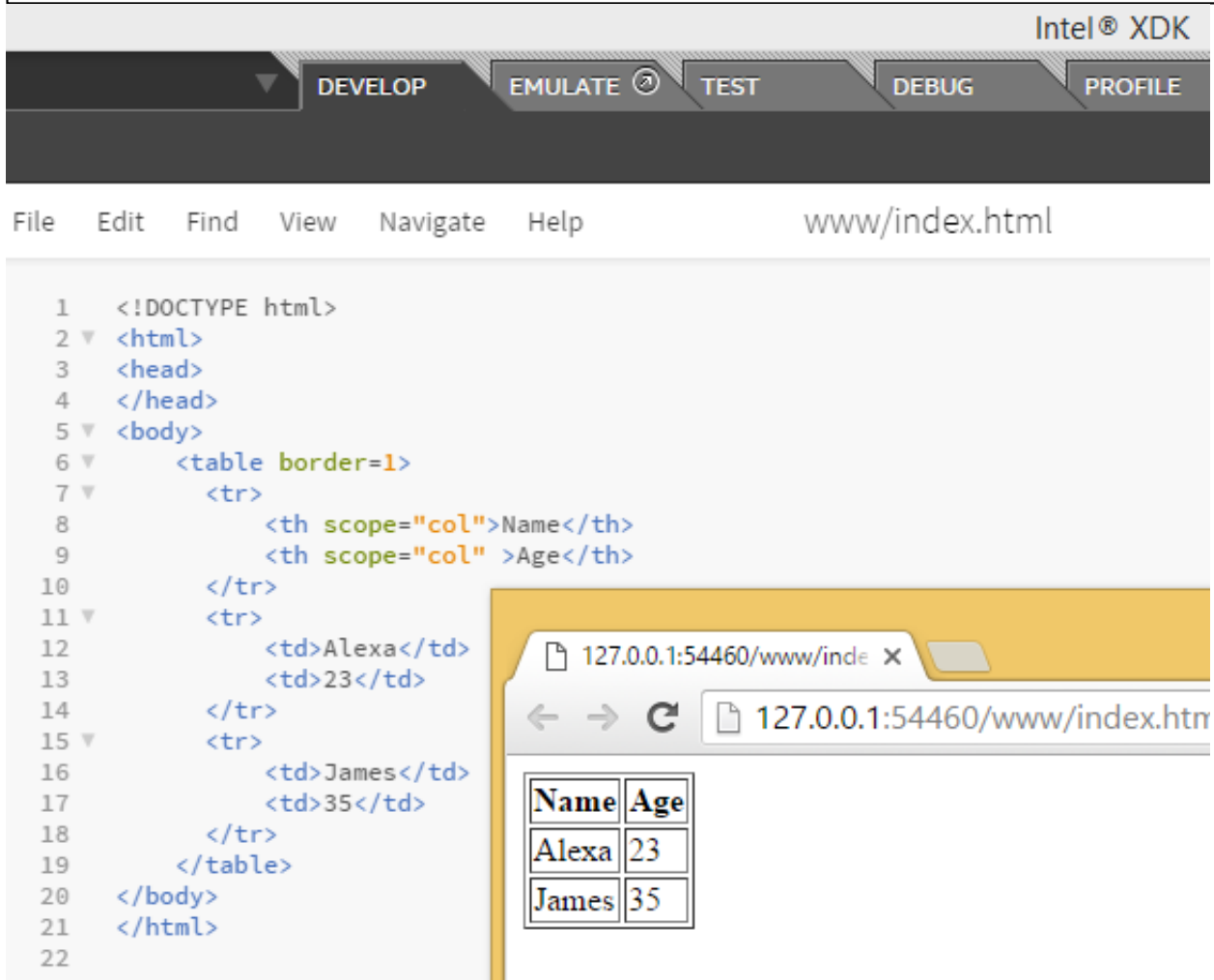
With these tags we can create a simple table.

```
<table border=1>
  <tr>
    <th scope="col">Name</th>
    <th scope="col">Age</th>
  </tr>
  <tr>
```

```

        <td>Alexa</td>
        <td>23</td>
    </tr>
10.   <tr>
        <td>James</td>
        <td>35</td>
    </tr>
</table>

```



Attri bute s for <td>	Purpose	Usage	Output
cols pan	<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>

rows pan	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>
hea ders	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>

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## 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>`

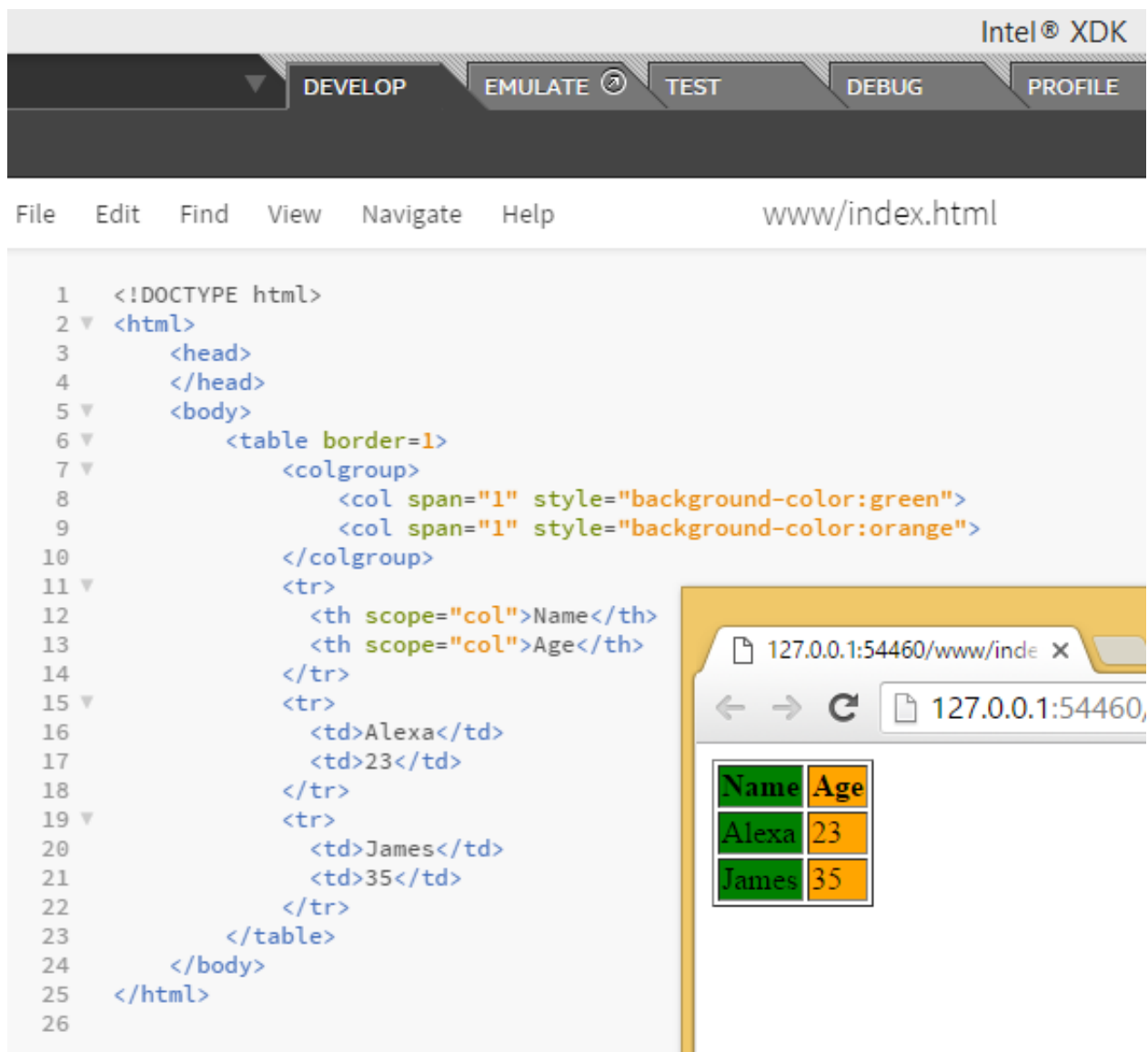
Used within `<colgroup>`, the `<col>` tag specifies the column property for each column within a `colgroup`. The only element a `colgroup` can contain is `col`.

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.

```
<body>
  <table border=1>
    <colgroup>
      <col span="1" style="background-color:green">
      <col span="1" style="background-color:orange">
    </colgroup>
    <tr>
      <th>Name</th>
      <th>Age</th>
10.  </tr>
      <tr>
        <td>Alexa</td>
        <td>23</td>
      </tr>
      <tr>
        <td>James</td>
        <td>35</td>
      </tr>
    </table>
20. </body>
```



## Knowledge check 5.2.1 (not graded)

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

☐ < head >

☐ < td >

☐ < th >

☐ < tr >

CHECK

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