**HTML Tables**

HTML Basics

Telerik Software Academy

<https://telerikacademy.com>

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**HTML Tables**

* Tables represent tabular data
  + A table consists of one or several rows
  + Each row has one or more columns
* Tables are comprised of several core tags:
  + <table></table>: begin/end table definition
  + <tr></tr>: create a table row
  + <td></td>: create tabular data (cell)
* Tables should not be used for layout
  + Use CSS floats and positioning styles instead

**Simple HTML Tables – *Example***

<table cellspacing="0" cellpadding="5">

<tr>

<td><img src="ppt.gif"></td>

<td><a href="lecture1.ppt">Lecture 1</a></td>

</tr>

<tr>

<td><img src="ppt.gif"></td>

<td><a href="lecture2.ppt">Lecture 2</a></td>

</tr>

<tr>

<td><img src="zip.gif"></td>

<td>

<a href="lecture2-demos.zip">Lecture 2 - Demos</a>

</td>

</tr>

</table>

[**Demo**](https://github.com/TelerikAcademy/HTML/tree/master/Topics/03.%20HTML-Tables/demos/1.%20Simple-tables.html)

**Data Cells and Header Cells**

* Two kinds of cells in HTML tables
  + Data cells – containing the table data
  + Header cells – used for the column names or some more important cells
* Why two kinds of cells?
  + Used to semantically separate the cells

<tr>

<th>Full Name</th> <th>Mark</th>

</tr>

<tr>

<td>Doncho Minkov</td> <td>Very good (5)</td>

</tr>

<tr>

<td>Georgi Georgiev</td> <td>Excellent (6)</td>

</tr>

[**Demo**](https://github.com/TelerikAcademy/HTML/tree/master/Topics/03.%20HTML-Tables/demos/2.%20Data-and-header-cells.html)

**Complete HTML Tables**

**With Header, Footer and Body**

**Complete HTML Tables**

* Table rows split into three semantic sections: header, body and footer
  + <thead> denotes table header and contains <th> elements, instead of <td> elements
  + <tbody> denotes collection of table rows that contain the very data
  + <tfoot> denotes table footer but comes **BEFORE** the <tbody> tag
  + <colgroup> and <col> define columns (used to set column widths)

**Complete HTML Table: *Example***

<table>

<colgroup>

<col style="width:100px" /><col />

</colgroup>

<thead>

<tr><th>Column 1</th><th>Column 2</th></tr>

</thead>

<tfoot>

<tr><td>Footer 1</td><td>Footer 2</td></tr>

</tfoot>

<tbody>

<tr><td>Cell 1.1</td><td>Cell 1.2</td></tr>

<tr><td>Cell 2.1</td><td>Cell 2.2</td></tr>

</tbody>

</table>

**Complete HTML Table: *Example***

<table>

<colgroup>

<col style="width:200px" /><col />

</colgroup>

<thead>

<tr><th>Column 1</th><th>Column 2</th></tr>

</thead>

<tfoot>

<tr><td>Footer 1</td><td>Footer 2</td></tr>

</tfoot>

<tbody>

<tr><td>Cell 1.1</td><td>Cell 1.2</td></tr>

<tr><td>Cell 2.1</td><td>Cell 2.2</td></tr>

</tbody>

</table>

Although the footer is before the data in the code, it is displayed last

[**Demo**](https://github.com/TelerikAcademy/HTML/tree/master/Topics/03.%20HTML-Tables/demos/3.%20Complete-tables.html)

**Nested Tables**

**Tables in Tables in Tables in Tables…**

**Nested Tables**

* Table **cells** (<td>) can contain **nested** tables (tables within tables):

<table>

<tr>

<td>Contact:</td>

<td>

<table>

<tr>

<td>First Name</td>

<td>Last Name</td>

</tr>

</table>

</td>

</tr>

</table>

[**Demo**](https://github.com/TelerikAcademy/HTML/tree/master/Topics/03.%20HTML-Tables/demos/4.%20Nested-tables.html)

**Cell Spacing and Padding**

cell spacing

cell padding

**Cell Spacing and Padding – *Example***

<html>

<head><title>Table Cells</title></head>

<body>

<table cellspacing="15" cellpadding="0">

<tr>

<td>First</td>

<td>Second</td>

</tr>

</table>

<br/>

<table cellspacing="0" cellpadding="10">

<tr>

<td>First</td>

<td>Second</td>

</tr>

</table>

</body>

</html>

<html>

<head><title>Table Cells</title></head>

<body>

<table cellspacing="15" cellpadding="0">

<tr>

<td>First</td>

<td>Second</td>

</tr>

</table>

<br/>

<table cellspacing="0" cellpadding="10">

<tr>

<td>First</td>

<td>Second</td>

</tr>

</table>

</body>

</html>

[**Demo**](https://github.com/TelerikAcademy/HTML/tree/master/Topics/03.%20HTML-Tables/demos/5.%20Table-cells-spacing-padding.html)

**Row and Column Spans**

**How to Make a Two-Cells Column or Row?**

<table cellspacing="0">

<tr class="1">

<td>Cell[1,1]</td>

<td colspan="2">Cell[2,1]</td>

</tr>

<tr class="2">

<td>Cell[1,2]</td>

<td rowspan="2">Cell[2,2]</td>

<td>Cell[3,2]</td>

</tr>

<tr class="3">

<td>Cell[1,3]</td>

<td>Cell[2,3]</td>

</tr>

</table>