

Column 1	Column 2	Column 3	Column 4
Data	Data	Data	Data
Data	Data	Data	Data
Data	Data	Data	Data
Data	Data	Data	Data



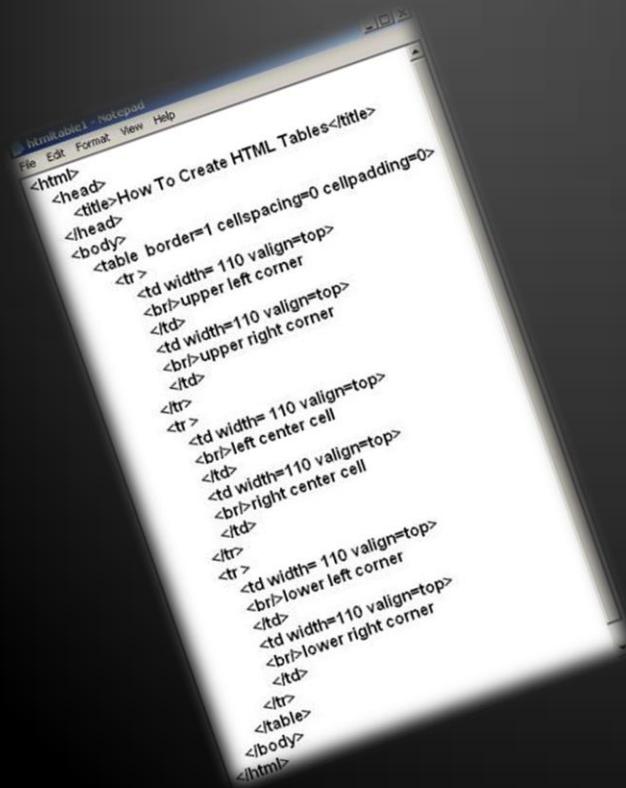
HTML Tables

HTML5
Telerik Software Academy
<http://academy.telerik.com>



- ◆ **HTML Tables**
 - ◆ **Simple Tables**
 - ◆ **Complete HTML Tables**
 - ◆ **Data cells and Header cells**
- ◆ **Nested Tables**
- ◆ **Complex tables**
 - ◆ **Cells Width**
 - ◆ **Cell Spacing and Padding**
 - ◆ **Column and Row Span**





HTML Tables

Title	Title	Title	Title	Title	Title
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data
Data	Data	Data	Data	Data	Data

US time	European date (D/M/Y) & time	Y-M-D date & time	Dollar	Chinese money	IP addresses	Names	Numbers
	29/10/1965	83-03-24		YMB 4	98.176.35.80		26.32 E +03
Fri Mar 22 21:48:49 UTC+0200 1957		1967-08-22 06:07:16 PM		YMB -81.38	162.117.253.34	dyse chidi	
Fri, 14 Feb 2002 04:24:20 UTC	06/07/99 06:46:01 AM	81-02-04 09:09:54 AM		YMB -108.83	122.205.50.6	bochai dychai	-191.45E-05
Monday, May 30, 1994 4:47:31 PM	06/09/05 05:11:16 AM			YMB 33.16		dydy bale	-131.20E+01
09/28/2000	24/11/1957		\$-38.77	YMB 112.42	15.192.151.209		
		97-08-13 00:01:33 AM	\$14.5	YMB -1.75	99.93.147.150	dychai tonchai	-187.28E-05
Mon, 29 Oct 1979 00:44:03 UTC		87-10-16	\$14.66	YMB 61.14		chite malie	- 125.19 E -03
Sat, 9 Jan 1982 05:45:06 UTC	04/06/68	74-10-20	\$20.47		121.169.225.22	dyma bama	138.11E+02
04/05/75		2000-03-20	\$68.84	YMB 88.19	239.133.227.68	made kete	195.44 E +03
Monday, July 15, 2002 1:05:02 AM	01/02/1961 09:40:16 AM		\$97.9	YMB 44.28	223.66.228.116	mava sete	-107
this is footer	row	number	ONE!	adsf	adsf	adsf	adsf

- ◆ **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></td>
    <td><a href="lecture1.ppt">Lecture 1</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2.ppt">Lecture 2</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2-demos.zip">
      Lecture 2 - Demos</a></td>
  </tr>
</table>
```

Important Birthdays		
Name	Age	Date of Birthday
Emily	8 years	3 September
Jack	12 years	28 April



Simple HTML Tables

Live Demo



First Name	Last Name	Date of Birth	Account Balance	Gender
A	B	20-Feb-1962	12,345.87	<input checked="" type="checkbox"/>
C	D	6-Jan-1987	23,456.779	<input checked="" type="checkbox"/>
E	F	31-Aug-1989	34,567.891	<input type="checkbox"/>
G	H	16-Jan-1945	-456.7	<input type="checkbox"/>
I	J	2-Aug-1907	567	<input type="checkbox"/>

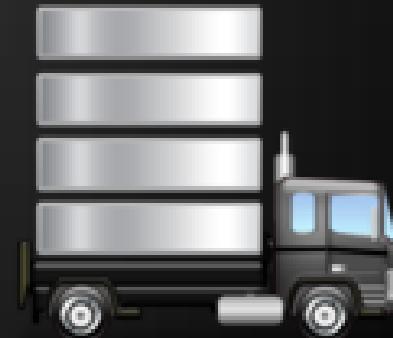
Data Cells and Header Cells

- ◆ 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>
```

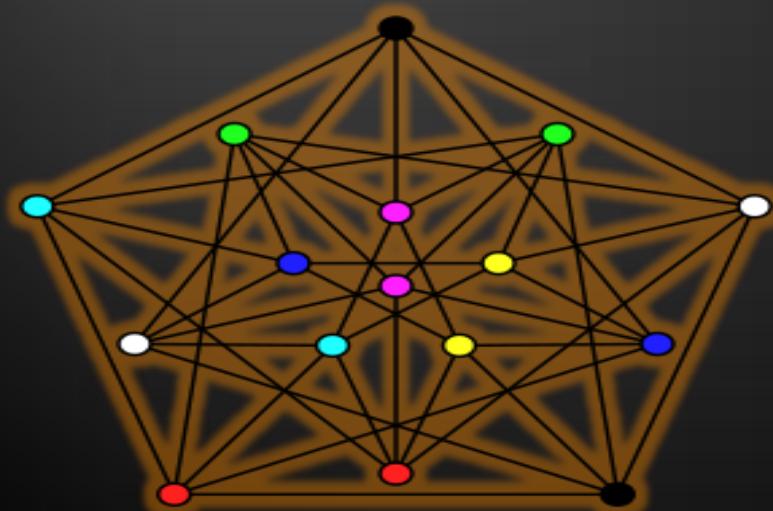
Data and Header Cells

Live Demo



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>
```

columns

header

th

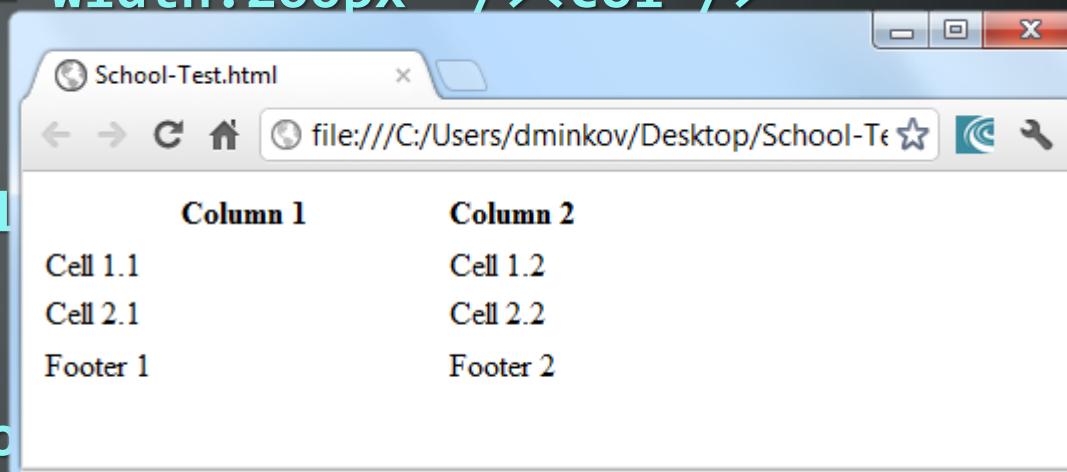
footer

Last comes the body (data)

Complete HTML Table: Example (2)

```
<table>
  <colgroup>
    <col style="width:200px" /><col />
  </colgroup>
  <thead>
    <tr><th>Col
  </thead>
  <tfoot>
    <tr><td>Footer 1
  </tfoot>
  <tbody>
    <tr><td>Cell 1.1
    <tr><td>Cell 2.1
    <tr><td>Footer 2
  </tbody>
</table>
```

table-full.html



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



Complete HTML Tables

Live Demo

Nested Tables

Иерархия таблиц

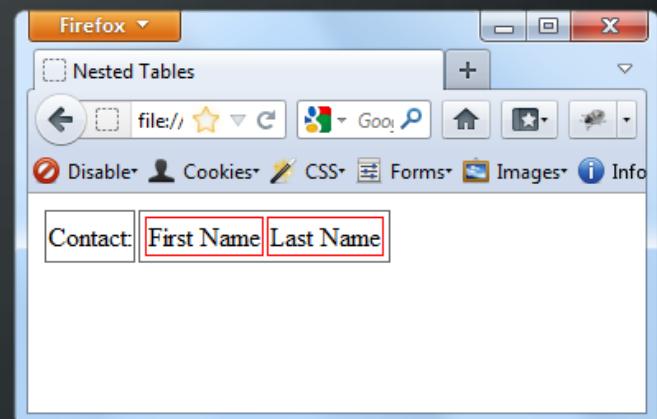
Tables in Tables in Tables in Tables...



- ◆ 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>
```

nested-tables.html

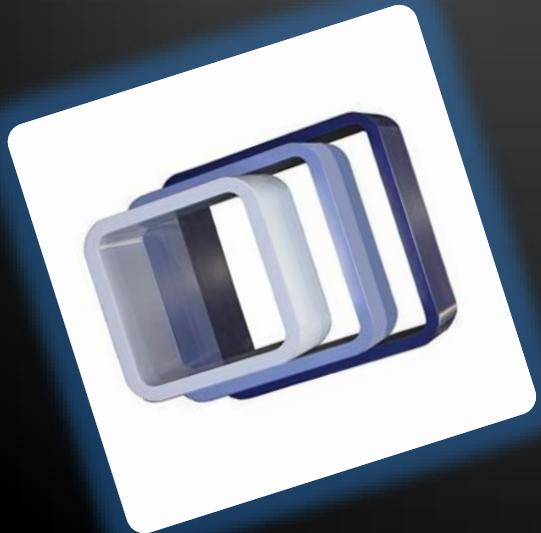


Order ID	Customer ID	Employee ID	Order Date	Ship Via	Freight
*			No date is s...		4.45
10000	FRANS	6	Friday, May...	3	
			Quantity		
*					
Order ID	Product ID		Unit Price	Quantity	
10000	17	27	Monday, M...	3	79.95
*					
Order ID	Product ID		Unit Price	Quantity	
10001	MEREP	8			
*					
Order ID	Product ID		Unit Price	Quantity	
10001	25	9.9	30		
10001	40	12.8	40		
10001	59	38.5	8		
10001	64	23	15		36.18
10001	FOUKO	3	Tuesday, M...	3	18.59
10002	SIMOB	8	Wednesday...	1	
10003		11			



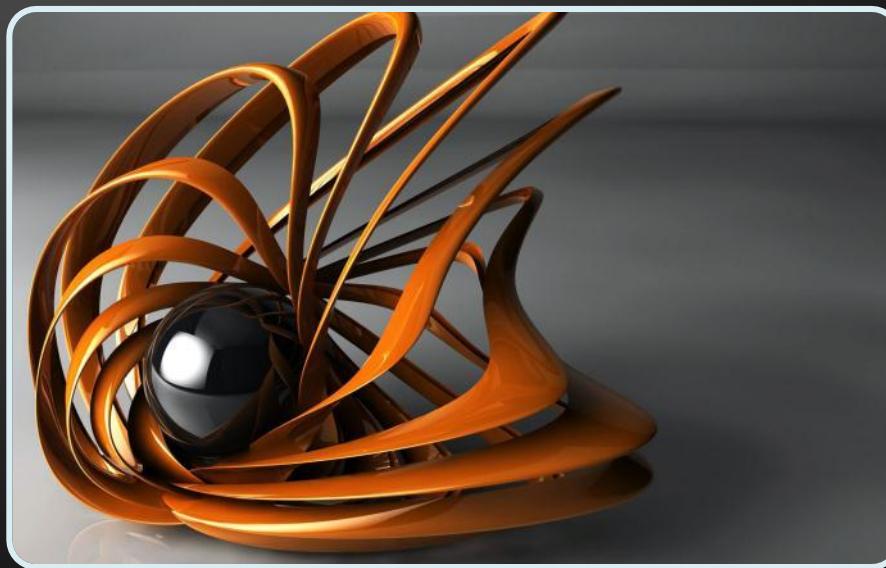
Nested Tables

Live Demo



Complex Tables

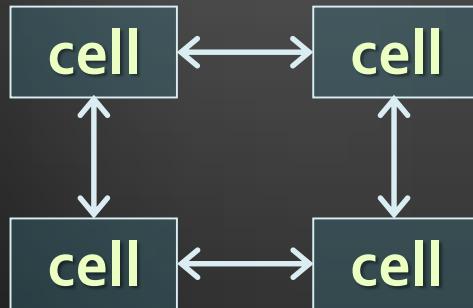
With Padding, Spacing and Stuff



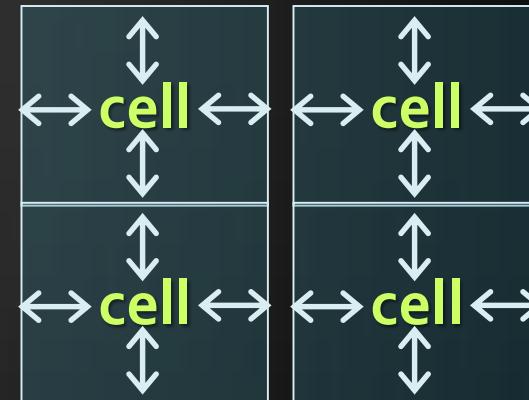
Cell Spacing and Padding

- ◆ Tables have two attributes related to space

- ◆ **cellspacing**



- ◆ **cellpadding**



- ◆ Defines the empty space between cells

- ◆ Defines the empty space around the cell content

Cell Spacing and Padding – Example

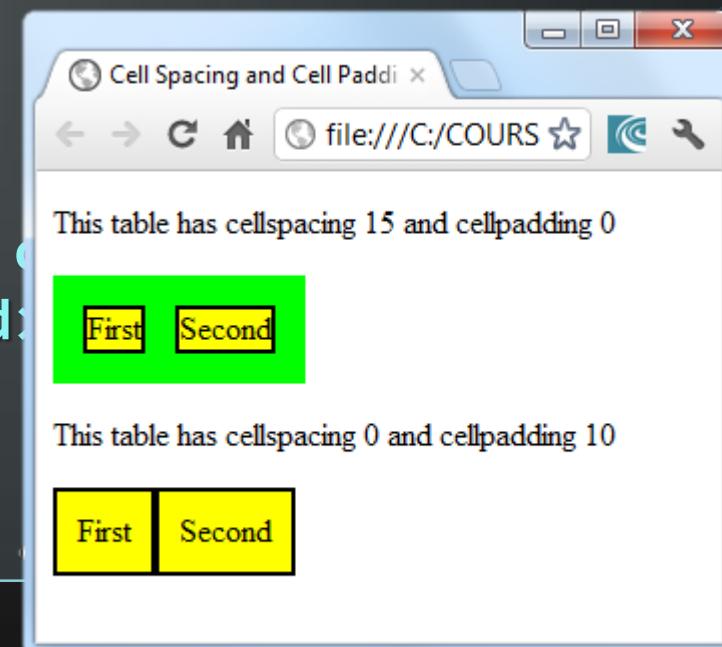
table-cells.html

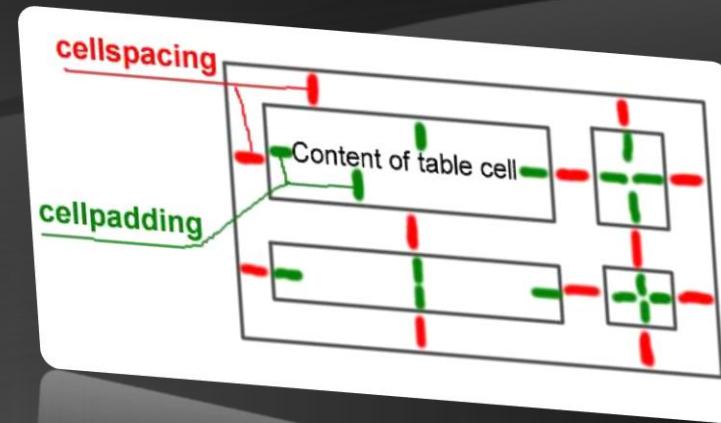
```
<html>
  <head><title>Table Cells</title></head>
  <body>
    <table cellspacing="15" cellpadding="0">
      <tr><td>First</td>
      <td>Second</td></tr>
    </table>
    <br/>
    <table cellspacing="0" cellpadding="10">
      <tr><td>First</td><td>Second</td></tr>
    </table>
  </body>
</html>
```

Cell Spacing and Padding – Example (2)

table-cells.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>
```





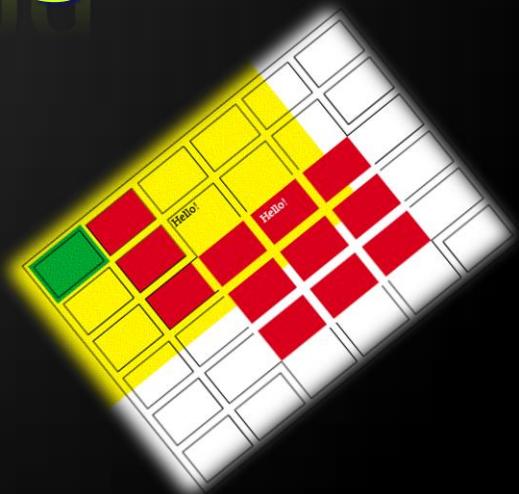
Cell Spacing and Cell Padding

Live Demo

Address: C:\fycenter\cellspacing.html

cellspacing="0"		
Description	Qty	Price
Email Account	10	\$9.90
FYIcenter.com Ad	1	\$99.00
1-year Access	1	\$199.00

cellspacing="8"		
Description	Qty	Price
Email Account	10	\$9.90
FYIcenter.com Ad	1	\$99.00
1-year Access	1	\$199.00





Row and Column Spans

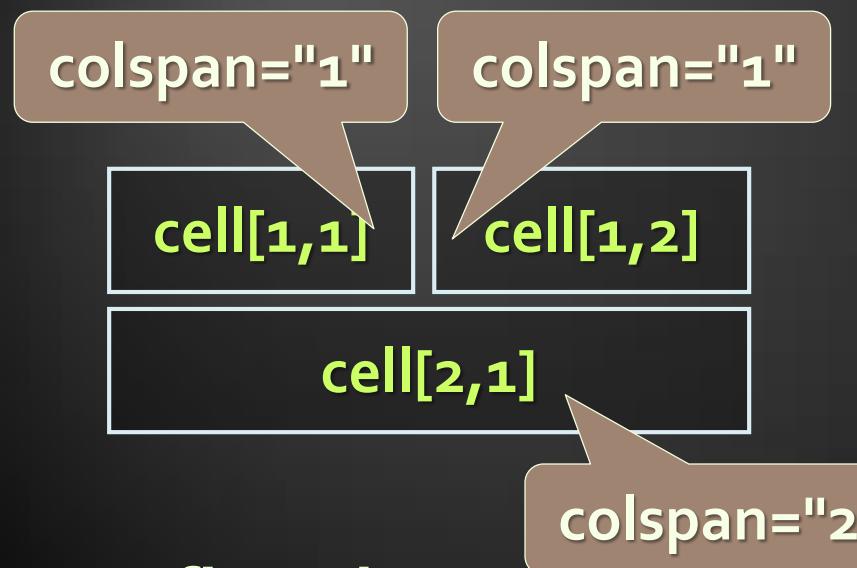
How to Make a Two-Cells
Column or Row?



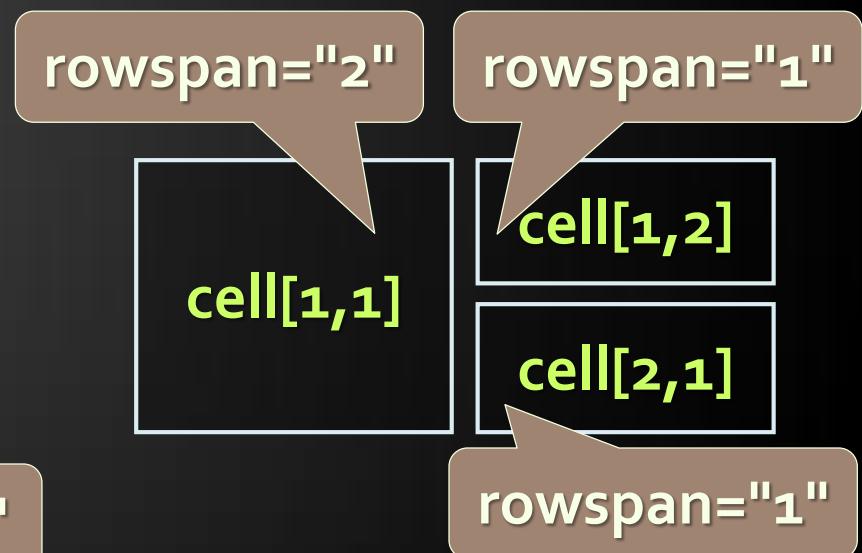
Column and Row Span

- ◆ Cells have two attributes related to merging

- ◆ **colspan**



- ◆



- ◆ Defines how many columns the cell occupies

- ◆ Defines how many rows the cell occupies

table-colspan-rowspan.html

```
<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>
```

Column and Row Span – Example (2)

table-colspan-rowspan.html

```
<table cellspacing="0">
  <tr class="1">
    <td>Cell[1,1]</td>
    <td colspan="2">Cell[2,1]</td>
  </tr>
  <tr class="2">
    <td>Cell[1,1]</td>
    <td rows="2">Cell[1,2]</td>
    <td>Cell[1,3]</td>
  </tr>
  <tr class="3">
    <td>Cell[2,1]</td>
    <td>Cell[2,2]</td>
    <td>Cell[2,3]</td>
  </tr>
</table>
```

Cell[1,1]	Cell[2,1]	
Cell[1,1]	Cell[1,2]	Cell[1,3]
Cell[2,1]	Cell[2,2]	Cell[2,3]

Row and Column Spans

Live Demo

123			
1	2	3	+
4	5	6	-
7	8	9	*
0	.		/

HTML – Tables and Forms

Questions?

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- ◆ html5course.telerik.com

- ◆ Telerik Software Academy

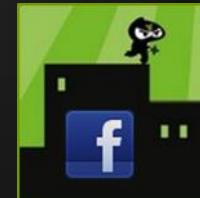
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