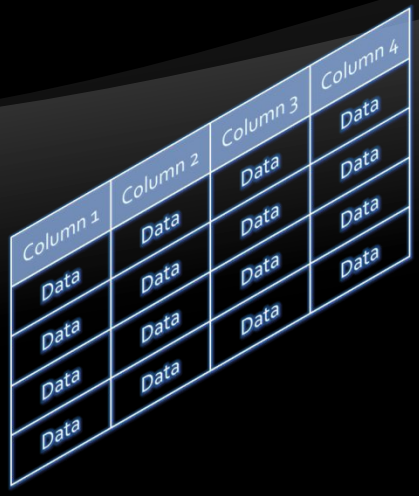

Column 1
Column 2
Column 3
Column 4
Data

My list of jokes - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Search Favorites Media
Address C:\website\joke12.html
Go Links
Page Of Tables
Jokes
Serial no.
Joke Type
1
Classic Jokes
2
Tennis Jokes
3
Cricket Jokes

HTML Tables

HTML 5

Contents

- 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

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	
Thu, 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 balie	-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 liete	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

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

HTML Tables

- Tables represent tabular data
  - A table consists of one or several rows
  - Each row has one or more columns
- Tables comprised of several core tags:
  - `<table></table>`: begin / end the table
  - `<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>
```

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>Exellent (6)</td>
</tr>
```

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)

rules="groups"

Complete HTML Table: Example

```
<table>
   <colgroup>
     <col style="width:100px" /><col />
   </colgroup>
   <thead>
     <tr><th>Col                    Column 2</th></tr>
   </thead>
   <tfoot>
     <tr><td>Footer 1
   </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>
```

columns

header

th

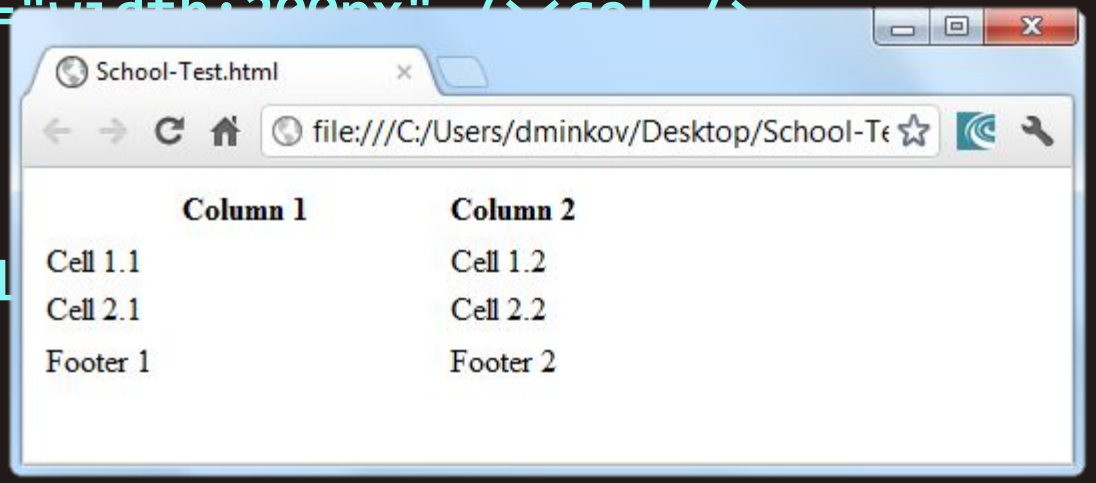
footer

Last comes the body (data)

Complete HTML Table: Example (2)

table-full.html

```
<table>
   <colgroup>
     <col style="width:200px" /><col />
   </colgroup>
   <thead>
     <tr><th>Col
   </thead>
   <tfoot>
     <tr><td>Footer 1</td><td>Footer 2</td></tr>
   </tfoot>
   <tbody>
     <tr><td>Ce                                  d></tr>
     <tr><td>Cell 2.1</td><td>Cell 2.2</td></tr>
   </tbody>
```



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

Nested Tables

Tables in Tables in Tables in Tables…

Nested Tables

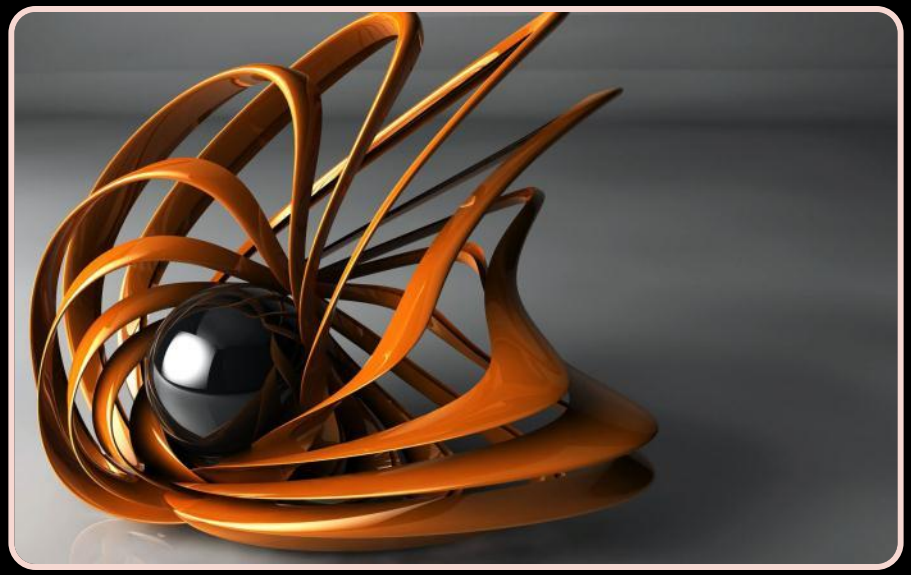
- Table "cells" (<td>) can contain nested tables (tables within tables):

nested-tables.html

```
<table>
  <tr>
    <td>Contact:</td>
    <td>
      <table>
        <tr>
          <td>First Name</td>
          <td>Last Name</td>
        </tr>
      </table>
    </td>
```

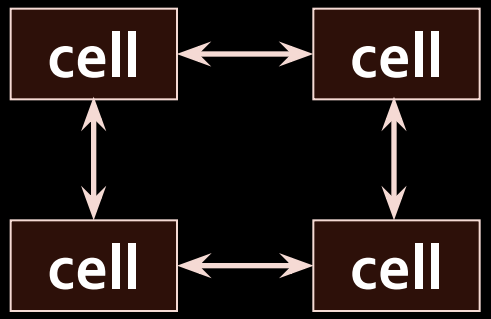
Complex Tables

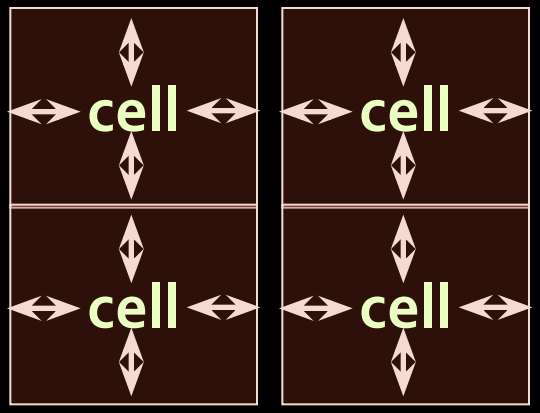
With Padding, Spacing and Stuff



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

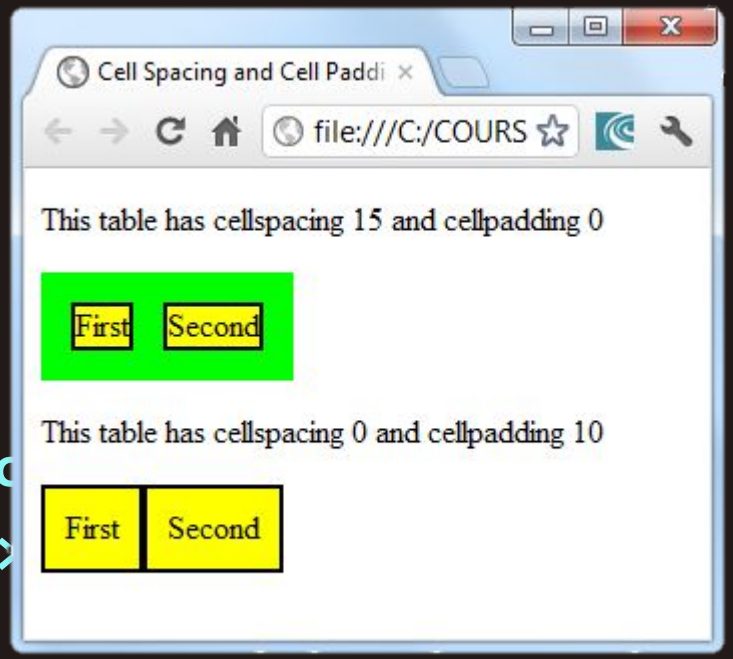
table-cells.html

```
<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>
```

Cell Spacing and Padding – Example (2)

table-cells.html

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

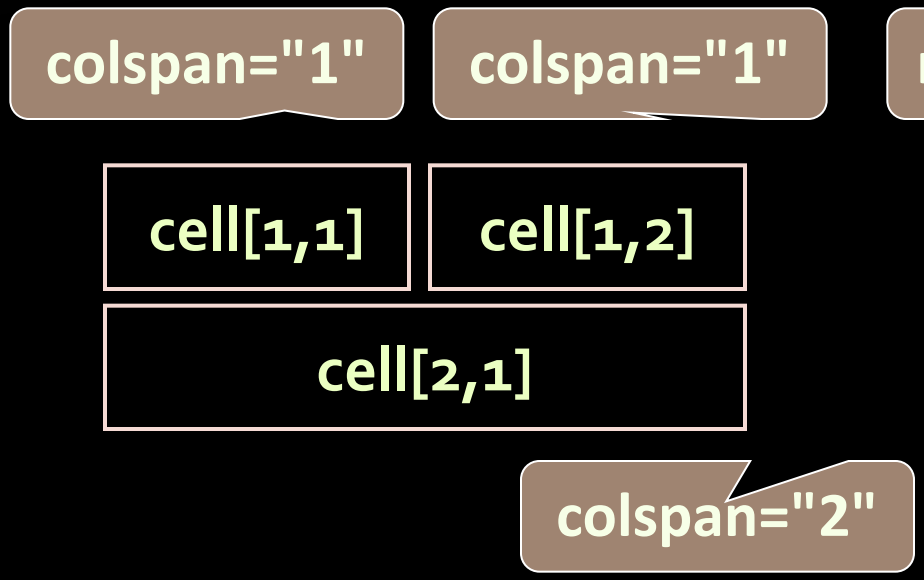


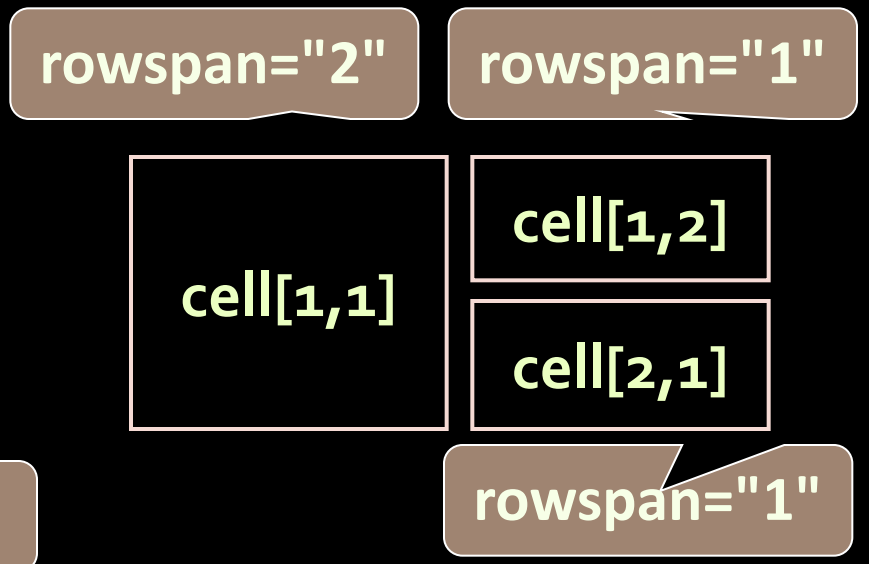
Row and Column Spans

How to Make a Two-Cells Column or Row?

Column and Row Span

- Cells have two attributes related to merging
  - `colspan`
  - `rowspan`





- **Defines how many columns**
- **Defines how many rows the**

Column and Row Span – Example

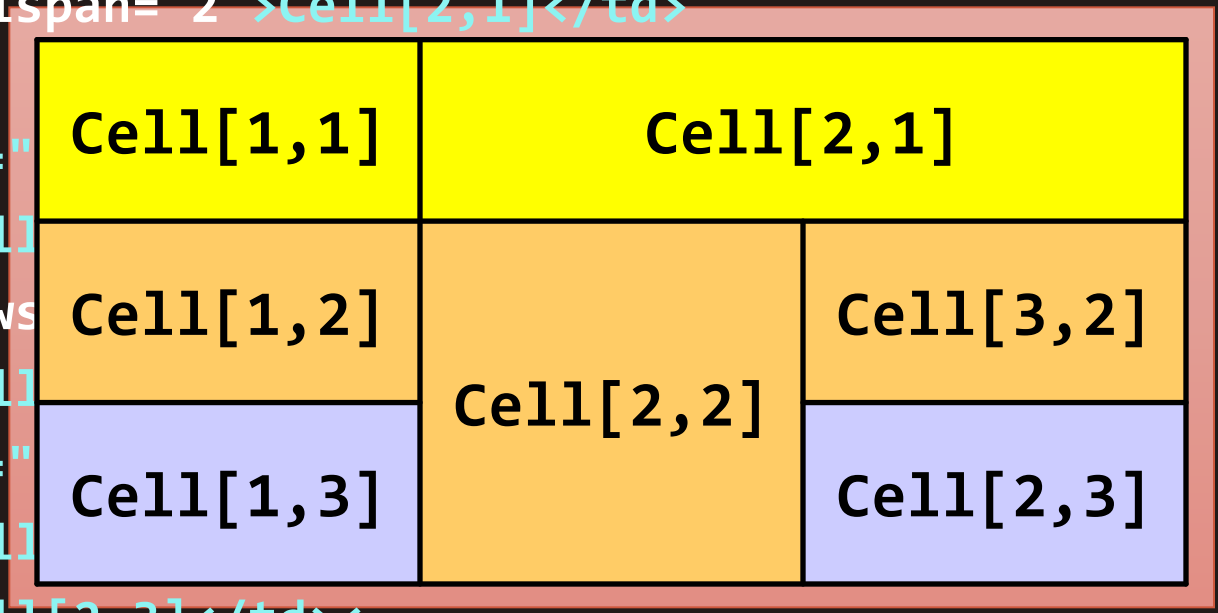
table-colspan-rowspan.html

```
<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>
```

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



Homework

1. **Create Web Pages like the following using tables:**

Fresh Fruits

It has long been known that a diet that includes at least a few servings of fresh fruit every day will help keep you healthy, fit and trim.

Title goes here			A	B
C	D	E	F	G
	H	I		
	K	L	M	J
N	O			

2. **Create a Web Page like the following using forms:**

Member name : *req

Email : *req

School : *req

Submit

Homework (2)

3. Create a Calculator-like table. You should use a HTML 5 form for the Calculator
   - Buttons for all the numbers and operators (+, -, etc.)
   - Textbox for the result
   - Do not make the same styles as the example