

Web Technologies

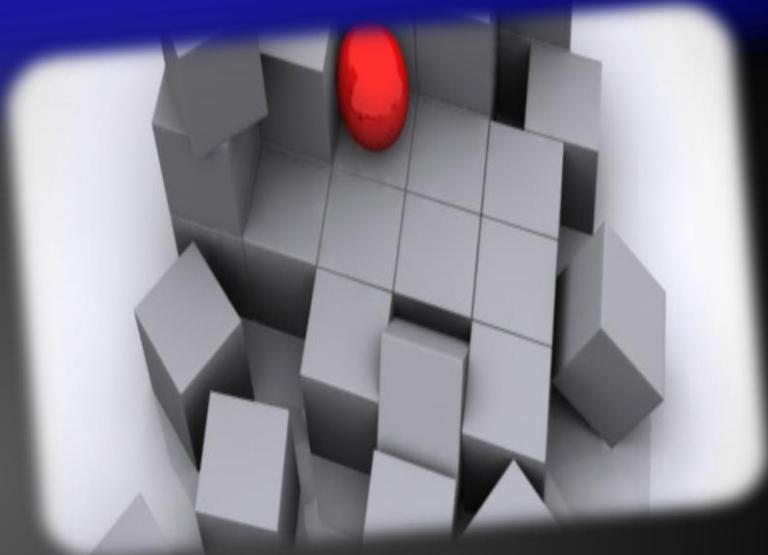
Kamran
Lecture 5

1. Div and Span
2. HTML Tables
3. HTML Form



```
4 <head>
5 <meta http-equiv="Content-Type"
6 <title>Home</title>
7 <link rel="stylesheet" href="sty
8 <style type="text/css">
9 .style1 {
10   color: #FF0000;
11 }
12 </style>
13 </head>
```

```
<span class="style1">You will have to p
separate license to use the OpenCube me
```



Using <DIV> and Block and Inline Elements

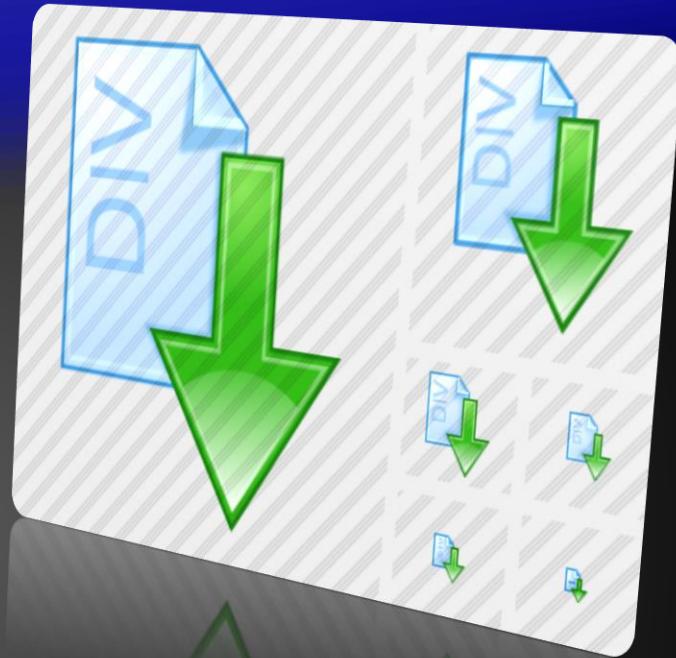
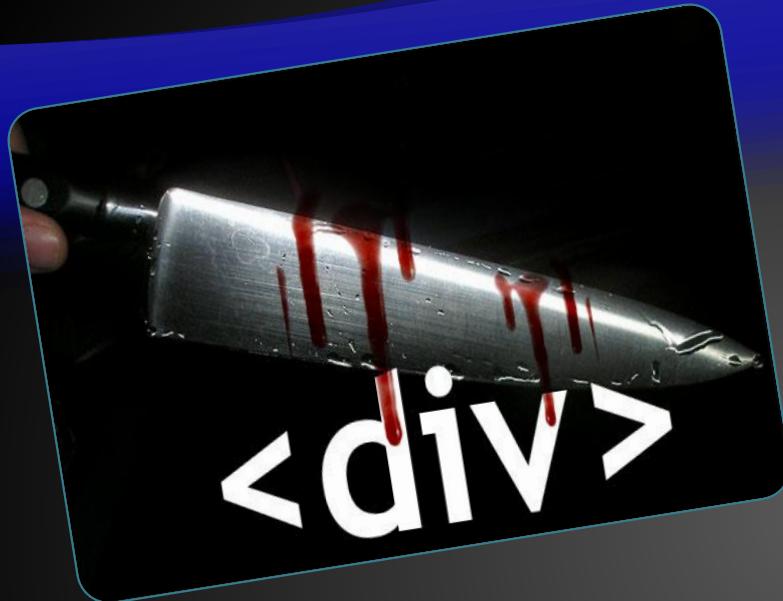
- ◆ Block elements add a line break before and after them
 - ◆ <div> is a block element
 - ◆ Other block elements are <table>, <hr>, headings, lists, <p> and etc.
- ◆ Inline elements don't break the text before and after them
 - ◆ is an inline element
 - ◆ Most HTML elements are inline, e.g. <a>

- ◆ <div> creates logical divisions within a page
- ◆ Block style element
- ◆ Used with CSS
- ◆ Example:

div-and-span.html

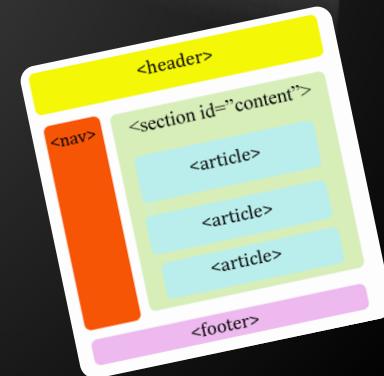
```
<div style="font-size:24px; color:red">DIV  
example</div>  
  
<p>This one is <span style="color:red; font-  
weight:bold">only a test</span>.</p>
```





<div> <DIV>

Live Demo



- ◆ Inline style element
- ◆ Useful for modifying a specific portion of text
 - Don't create a separate area (paragraph) in the document
- ◆ Very useful with CSS

span.html

```
<p>This one is <span style="color:red; font-weight:bold">only a test</span>.</p>  
<p>This one is another <span style="font-size:32px; font-weight:bold">TEST</span>.</p>
```





Live Demo

some text



HTML – Tables and Forms

Muhammad Kamran



- ◆ 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 are losing favor to <div> and , with the CSS revolution

- ◆ Start and end of a table

```
<table> ... </table>
```

- ◆ Start and end of a row

```
<tr> ... </tr>
```

- ◆ Start and end of a cell in a row

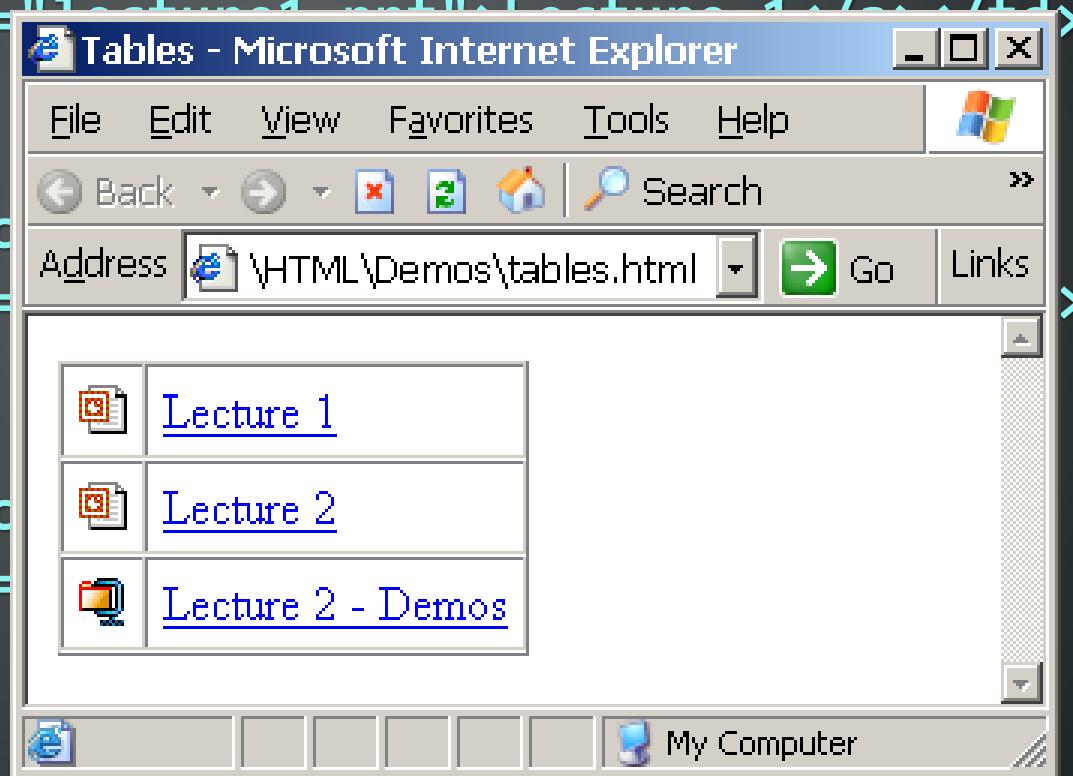
```
<td> ... </td>
```

telerik Simple HTML Tables – Example

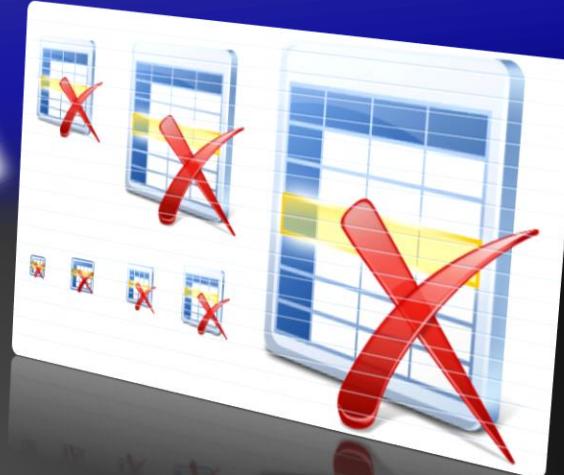
```
<table border="1" cellspacing="0" cellpadding="5">
  <tr>
    <td></td>
    <td><a href="lecture1.ppt">Lecture 1</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2.ppt">Lecture 2</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2-demos.zip">
      Lecture 2 - Demos</a></td>
  </tr>
</table>
```

telerik Simple HTML Tables – Example (2)

```
<table border="1" cellspacing="0" cellpadding="5">
  <tr>
    <td></td>
    <td><a href="lecture1.html">Lecture 1</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2.html">Lecture 2</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2-demos.html">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

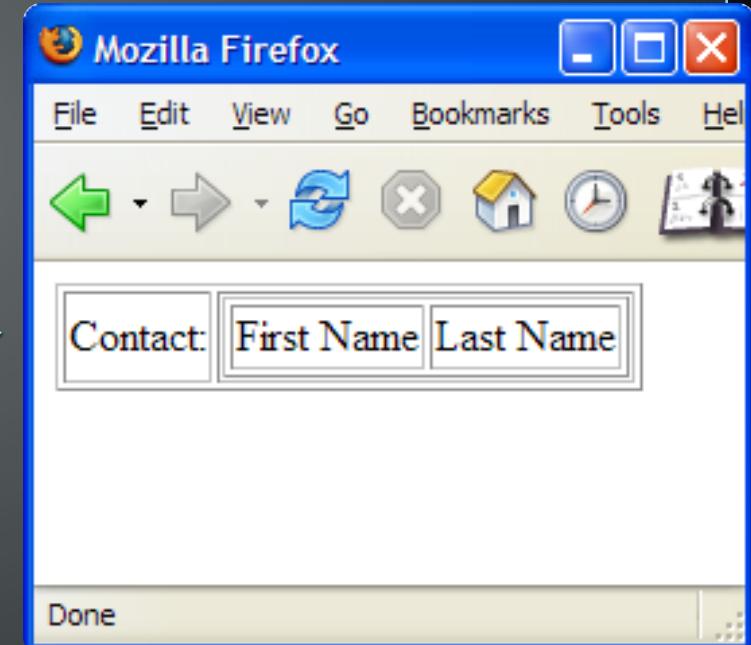


First Name	Last Name	Date of Birth	Account Balance	Gender
A	B	20-Feb-1962	12,345.67	<input checked="" type="checkbox"/>
C	D	6-Jan-1987	23,456.779	<input type="checkbox"/>
E	F	31-Aug-1989	34,567.891	<input type="checkbox"/>
G	H	16-Jan-1945	-456.7	<input type="checkbox"/>
I	J	2-Aug-1907	567	<input type="checkbox"/>

- ◆ Table data “cells” (<td>) can contain nested tables (tables within tables):

```
<table border="1">
  <tr>
    <td>Contact:</td>
    <td>
      <table border="1">
        <tr>
          <td>First Name</td>
          <td>Last Name</td>
        </tr>
      </table>
    </td>
  </tr>
</table>
```

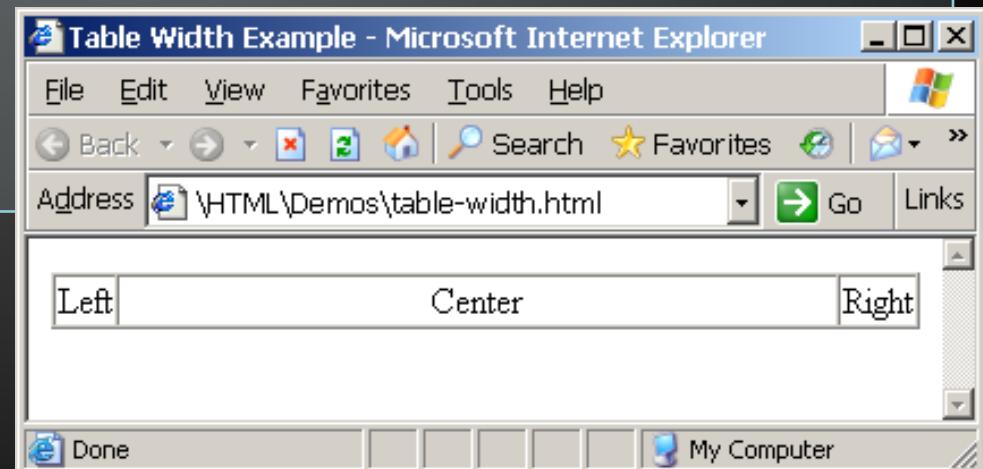
nested-tables.html



- ◆ Tables and cells can have width attribute
 - ◆ Width can be given in pixels or percentages

table-width.html

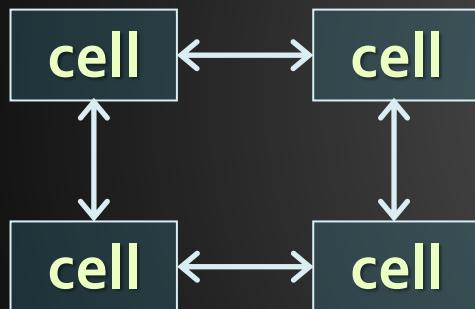
```
<table border="1" width="100%" cellspacing="0">
  <tr>
    <td>Left</td>
    <td width="100%" align="center">Center</td>
    <td>Right</td>
  </tr>
</table>
```



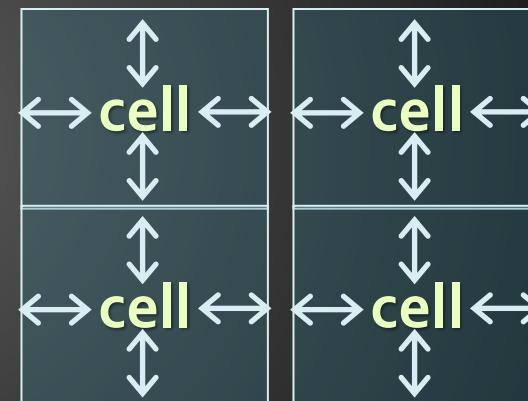
Cell Spacing and Padding

- ◆ Tables have two important attributes:

- ◆ cellspacing



- ◆ cellpadding



- ◆ Defines the empty space between the cells

- ◆ Defines the empty space around the cell contents

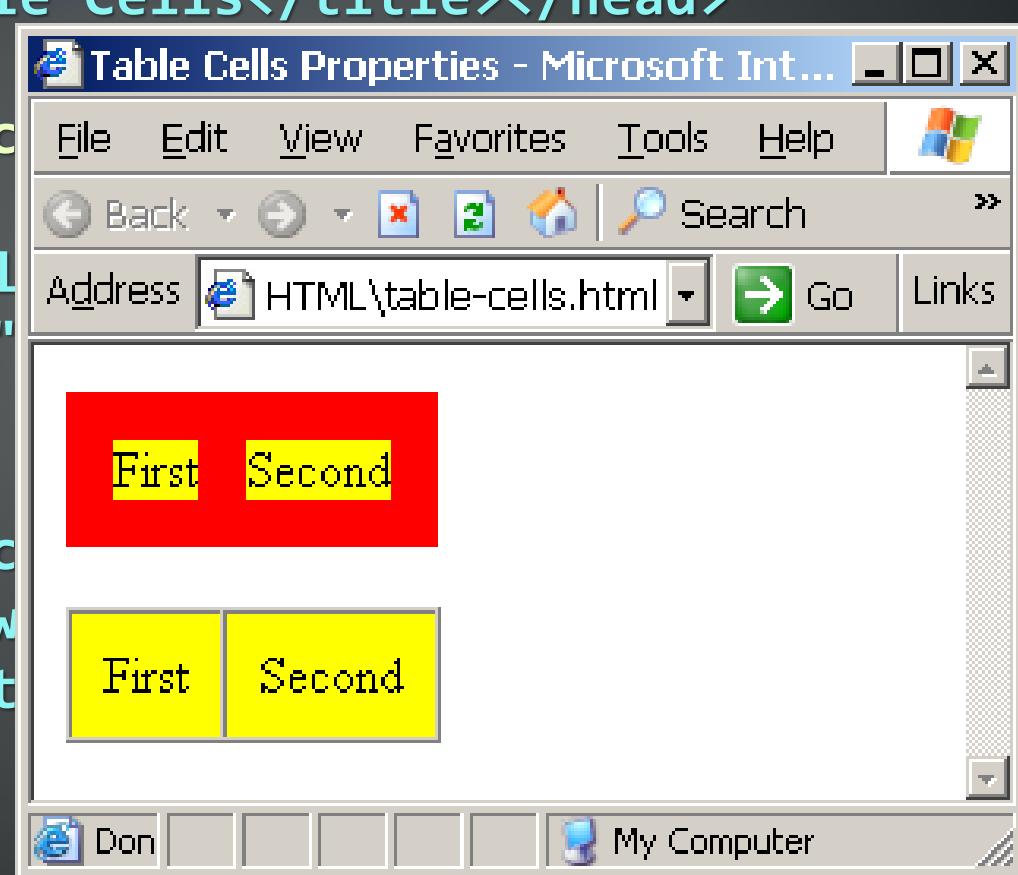
table-cells.html

```
<html>
  <head><title>Table Cells</title></head>
  <body>
    <table cellspacing="15" cellpadding="0"
      bgcolor="red">
      <tr><td bgcolor="yellow">First</td>
      <td bgcolor="yellow">Second</td></tr>
    </table>
    <br/>
    <table cellspacing="0" cellpadding="10"
      bgcolor="yellow" border="1">
      <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="10" cellpadding="5" border="1" style="background-color: red;">
      <tr><td>First</td><td>Second</td></tr>
    </table>
    <br/>
    <table cellspacing="0" cellpadding="0" border="1" style="background-color: yellow;">
      <tr><td>First</td><td>Second</td></tr>
    </table>
  </body>
</html>
```



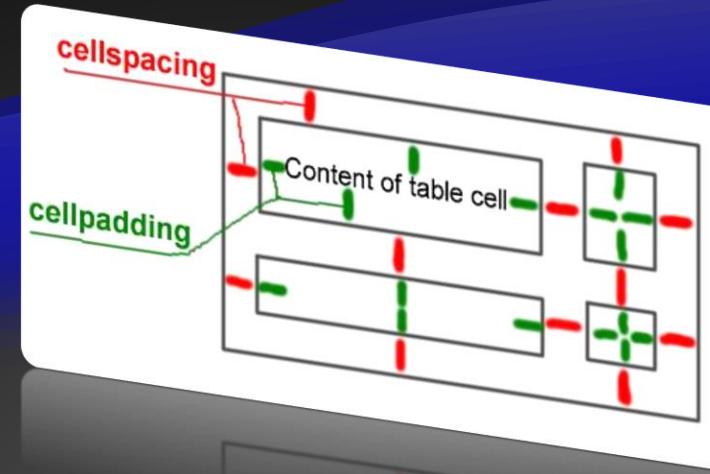


Table Cell Spacing and Cell Padding

Live Demo



Address C:\fyicenter\cellspacing.html

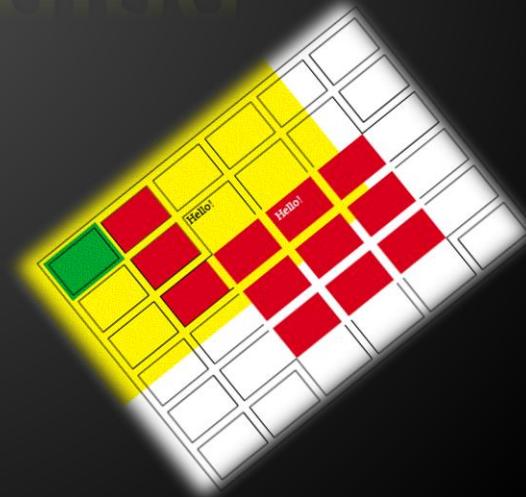
Description	Qty	Price
Email Account	10	\$9.90
FYIcenter.com Ad	1	\$99.00
1-year Access	1	\$199.00

cellspacing="0"

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

cellspacing="8"

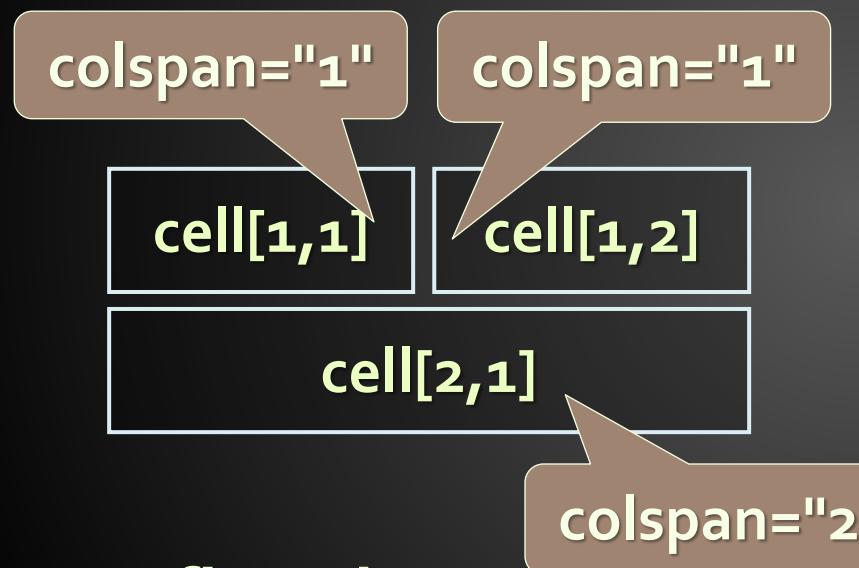
Description	Qty	Price
Email Account	10	\$9.90
FYIcenter.com Ad	1	\$99.00
1-year Access	1	\$199.00



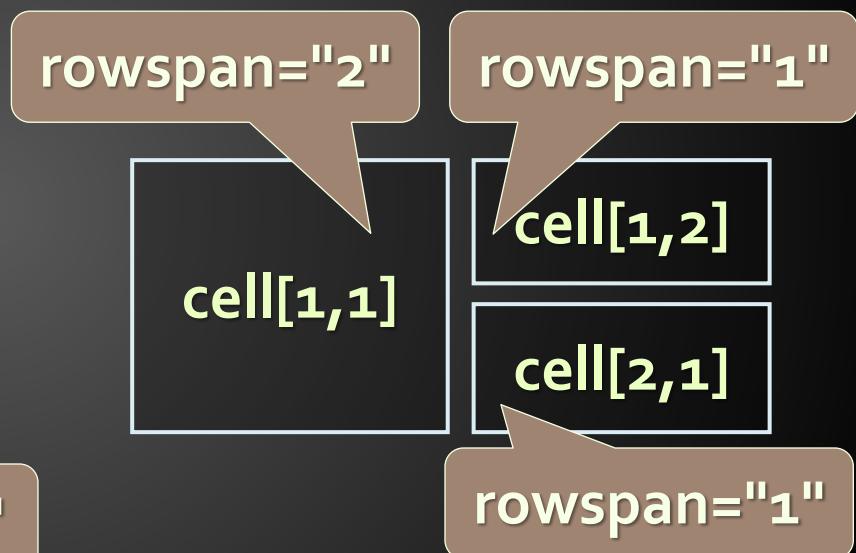
Column and Row Span

- ◆ Table cells have two important attributes:

- ◆ **colspan**



- ◆



- ◆ Defines how many columns the cell occupies

- ◆ Defines how many rows the cell occupies

table-colspan-rowspan.html

```
<html>
  <head><title>Colspan and Rowspan</title></head>
  <body>
    <br/>
    <table cellspacing="0" cellpadding="10"
border="1">
      <tr bgcolor="yellow"><td>Cell[1,1]</td>
        <td colspan="2">Cell[2,1]</td></tr>
      <tr bgcolor="#FFCC66"><td>Cell[1,2]</td>
        <td rowspan="2">Cell[2,2]</td>
        <td>Cell[3,2]</td></tr>
      <tr bgcolor="#CCCCFF"><td>Cell[1,3]</td>
        <td>Cell[2,3]</td></tr>
      </table>
    </body>
  </html>
```

table-colspan-rowspan.html

```
<html>
  <head><title>Colspan and Rowspan</title></head>
  <body>
    <br/>
    <table cellspacing="0" cellpadding="10"
border="1">
      <tr bgc
        <td col
      <tr bgc
        <td row
        <td>Cell[1,2]
      <tr bgc
        <td>Cell[1,3]
      </table>
    </body>
  </html>
```

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



HTML Forms

Entering User Data from a Web Page

Send me an application now!

I am interested in art lessons because:

- acrylics
- watercolors
- pastels

I would like to learn to work with:

- 18 yrs and over
- 1-17 yrs

Age:

Last Name:

First Name:

Address:

Art School Form - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Go Norton Antivirus

Address: C:\IE-class\form.htm

Registration Form - Mozilla Fi...

User name:

Password:

Gender: Male Female

Click to accept our terms:

Register Reset

Done

HTML



- ◆ Forms are the primary method for gathering data from site visitors
- ◆ Create a form block with

```
<form></form>
```

The "method" attribute tells how the form data should be sent – via GET or POST request

- ◆ Example:

```
<form name="myForm" method="post"  
action="path/to/some-script.php">  
...  
</form>
```

The "action" attribute tells where the form data should be sent

- ◆ Text fields are single-line entry fields:

```
<input type="text" name="FirstName" value="This  
is a text field">
```

- ◆ Text areas can contain multiple lines of text:

```
<textarea name="Comments">This is a multi-line  
text field</textarea>
```

- ◆ Hidden fields contain data not shown to user:

```
<input type="hidden" name="Account" value="This  
is a hidden text field">
```

- ◆ Often used by JavaScript code

- ◆ Create a checkbox:

```
<input type="checkbox" name="fruit"  
value="apple">
```

- ◆ Create a radio button:

```
<input type="radio" name="title" value="Mr.">
```

- ◆ Radio buttons can be grouped, allowing only one to be selected from a group:

```
<input type="radio" name="town" value="Sofia">  
<input type="radio" name="town" value="Varna">
```

- ◆ Pull down menu (drop-down list):

```
<select name="gender">
    <option value="Value 1"
        selected="selected">Male</option>
    <option value="Value 2">Female</option>
    <option value="Value 3">Other</option>
</select>
```

- ◆ Submit button:

```
<input type="submit" name="submitBtn"
value="Apply Now">
```

- ◆ Reset button – clears the form

```
<input type="reset" name="resetBtn"  
value="Clear the form">
```

- ◆ Image button – acts like submit but image is displayed instead of button

```
<input type="image" src="submit.gif"  
name="submitBtn" alt="Submit">
```

- ◆ Ordinary button – used for JavaScript, no default action

```
<input type="button" value="simple button">
```

- ◆ Password input – acts like normal text field but hides the text with * signs

```
<input type="password" name="pass" value="">
```

- ◆ Multiple select field – code is like drop down but displays list of items to select

```
<select name="products" multiple="multiple">
  <option value="Value 1"
    selected="selected">keyboard</option>
  <option value="Value 2">mouse</option>
  <option value="Value 3">speakers</option>
</select>
```

form.html

```
<form method="POST" action="apply-now.php">
    <input name="subject" type="hidden" value="Class" />
    <p>Degree:
        <select name="degree">
            <option value="BA">Bachelor of Art</option>
            <option value="BS">Bachelor of Science</option>
            <option value="MBA" selected="true">Master of
                Business Administration</option>
        </select>
    </p>
    <p>
        First Name: <input type="text" name="firstname" />
    </p>
    <p>
        Last Name: <input type="text" name="lastname" />
    </p>
    <p>
        Student ID: <input type="password" name="studentid" />
    </p>
```

form.html (continuation)

```
<p>
    Gender:
    <input name="gender" type="radio" value="Male"
           checked="true" /> Male
    <input name="gender" type="radio" value="Female" />
           Female
</p>
<p>
    E-mail: <input type="text" name="email" value="" />
</p>
<p>
    <textarea name="terms" cols="30" rows="4"
              readonly="true">TERMS AND CONDITIONS
    By clicking the Send Form button you agree to submit this
    form.</textarea>
</p>
<p>
    <input type="submit" name="button" value="Send Form" />
</p>
</form>
```

form.html (continuation)

```
<p>
    Gender:
    <input name="ge"
        checked="true"
    <input name="ge"
        value="Female"
    </p>
<p>
    E-mail: <input
</p>
<p>
    <textarea name=
        readonly="true"
By clicking the Send Form button you agree to submit this form.</textarea>
    </p>
<p>
    <input type="su
    </p>
</form>
```

The screenshot shows a Microsoft Internet Explorer window displaying an HTML form. The form includes:

- A dropdown menu labeled "Degree" with "Bachelor of Science" selected.
- A text input field labeled "First Name" containing "Svetlin".
- A text input field labeled "Last Name" containing "Nakov".
- A text input field labeled "Student ID" containing "*****".
- A gender selection section with two radio buttons: "Male" (selected) and "Female".
- An email input field containing "nakov@fmi.uni-sofia.bg".
- A scrollable text area titled "TERMS AND CONDITIONS" containing the text: "By clicking the Send Form button you agree to submit this form."
- A "Send Form" button at the bottom of the scrollable area.

Questions?