



# Client Side Technologies

## HTML Tables



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# Quiz...?

1- In HTML we should always use Absolute Path. (True – False)

2- In this sample HTML code

```
<meta http-equiv="Page-Enter"  
content="revealTrans(Duration=1.0,Transition=2)">
```

(meta) is Tag name, (http-equiv) is Attribute, and (Duration) is another attribute. (True – False)

3- This piece of HTML Code, will write on the page:

```
<div>Course Name:</div> is <span> HTML</span> Introduction.
```

(Course Name: is HTML introduction). (True – False)



# Table tags

## ❑ <table> Tag:

- Used to define main table layout, and specifies start and the end of the table structure.

## ❑ <tr> Tag:

- Used to define row inside the table, and Specifies row start and end.

## ❑ <td> or <th> Tag:

- Used to define columns inside each row, and this tag contains cell data.
- <th> used with the header cell and make it centered and bold.

Computer Models		
Manufacturer	Model	Price
City Computers	P325+	\$2500
MidWest CPU	586/Ultra	\$2700
CowCity Computers	P133/+	\$2450
CMF Computers	P150z	\$2610

Text in cells formatted with the <th> tag is bold and centered above each table column.



# Table tags (Cont.)

## □ Simple Table Example:

```
<table>  
  <tr>  
    <td> First Cell </td>  
    <td> Second Cell </td>  
  </tr>  
  <tr>  
    <td> Third Cell </td>  
    <td> Fourth Cell </td>  
  </tr>  
</table>
```

two rows

First Cell	Second Cell
Third Cell	Fourth Cell

two columns



# Table tags (Cont.)

Table Caption

## ❑ Table with Caption:

First Cell	Second Cell
	Fourth Cell

```
<table>
  <caption align="top"><b>Table Caption</b></caption>
  <tr>
    <td> First Cell </td>
    <td> Second Cell </td>
  </tr>
  <tr>
    <td> &nbsp; </td>
    <td> Fourth Cell</td>
  </tr>
</table>
```

## ❑ Note:

- To make empty cell in table structure put **&nbsp;** in <td> tag of the cell. If you left <td> tag empty, the border of this cell will not appear.



# <table> tag attributes

Attribute	Value	Description
<u>align</u>	left center right	<b>Not supported in HTML5. Use styles instead.</b> Specifies the alignment of a table according to surrounding text
<u>bgcolor</u>	<i>rgb(x,x,x)</i> <i>#xxxxxx</i> <i>colorname</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the background color for a table
<u>border</u>	<i>0 or 1.</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies whether or not displaying a border around table cells.
<u>bordercolor</u>	color	<b>Not supported in HTML5. Use styles instead.</b> Specifies border color
<u>cellpadding</u>	<i>pixels</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the space between the cell wall and the cell content
<u>cellspacing</u>	<i>pixels</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the space between cells



# <table> tag attributes (Cont.)

Attribute	Value	Description
<u>frame</u>	void above below hsides lhs rhs vsides border = box	<b>Not supported in HTML5. Use styles instead.</b> Specifies which parts of the outside borders that should be visible
<u>rules</u>	none rows cols all	<b>Not supported in HTML5. Use styles instead.</b> Specifies which parts of the inside borders that should be visible
<u>Width</u> <u>Height</u>	<i>pixels</i> %	<b>Not supported in HTML5. Use styles instead.</b> Specifies the width of a table Specifies the height of a table



# <tr> tag attributes

Attribute	Value	Description
<u>align</u>	left center right	<b>Not supported in HTML5. Use styles instead.</b> Specifies the alignment of a row according to surrounding text.
<u>valign</u>	TOP Middle Bottom	<b>Not supported in HTML5. Use styles instead</b> Specifies the alignment of a row according to surrounding text horizontally.
<u>bgcolor</u>	<i>rgb(x,x,x)</i> <i>#xxxxxx</i> <i>colorname</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the background color for a row.
<u>Height</u>	<i>pixels</i> <i>%</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the height of a row





# <td> and <th> tag attributes

Attribute	Value	Description
<u>align</u>	left center right	<b>Not supported in HTML5. Use styles instead.</b> Specifies the alignment of a table according to surrounding text.
<u>valign</u>	TOP Middle Bottom	<b>Not supported in HTML5. Use styles instead.</b> Specifies the alignment of a cell according to surrounding text horizontally.
<u>bgcolor</u>	<i>rgb(x,x,x)</i> <i>#xxxxxx</i> <i>colorname</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the background color for a cell
<u>nowrap</u>	nowrap	<b>Not supported in HTML5. Use styles instead.</b> Specifies that the content inside a cell should not wrap.
<u>Width</u>	<i>pixels</i> <i>%</i>	<b>Not supported in HTML5. Use styles instead.</b> Specifies the width of a cell.
<u>Colspan</u> <u>rowspan</u>	number	To merge several cells into one.



# Colspan and Rowspan attributes

## ❑ Colspanned Cell:

```
<td colspan="2">&nbsp;</td>
```


## ❑ Rowspanned Cell:

```
<td rowspan="2">&nbsp;</td>
```


## ❑ Rowspanned and Colspanned cell:

```
<td colspan="2" rowspan="2">&nbsp;</td>
```




# Colspan and Rowspan (Cont.)

❑ Full Example ([http://w3schools.com/html/tryit.asp?filename=tryhtml\\_table\\_span](http://w3schools.com/html/tryit.asp?filename=tryhtml_table_span))

❑ Col span:

```
<table border="1">
<tr>
  <th>Name</th>
  <th colspan="2">Telephone</th>
</tr>
<tr>
  <td>Bill Gates</td>
  <td>555 77 854</td>
  <td>555 77 855</td>
</tr>
</table>
```

Name	Telephone	
Bill Gates	555 77 854	555 77 855



# Colspan and Rowspan (Cont.)

## ❑ Row span:

```
<table border="1">
<tr>
  <th>First Name:</th>
  <td>Bill Gates</td>
</tr>
<tr>
  <th rowspan="2">Telephone:</th>
  <td>555 77 854</td>
</tr>
<tr>
  <td>555 77 855</td>
</tr>
</table>
```

<b>First Name:</b>	Bill Gates
<b>Telephone:</b>	854 77 555
	855 77 555



## Other tags used with tables (**Self Study**)

### ❑ Styling table using CSS styles (instead of deprecated attributes):

- [http://www.w3schools.com/html/html\\_tables.asp](http://www.w3schools.com/html/html_tables.asp)
- [http://www.w3schools.com/css/css\\_table.asp](http://www.w3schools.com/css/css_table.asp)

### ❑ Other tags used with tables

Tag	Description
<u><a href="#">&lt;caption&gt;</a></u>	Defines a table caption
<u><a href="#">&lt;colgroup&gt;</a></u>	Specifies a group of one or more columns in a table for formatting
<u><a href="#">&lt;col&gt;</a></u>	Specifies column properties for each column within a <colgroup> element
<u><a href="#">&lt;thead&gt;</a></u>	Groups the header content in a table
<u><a href="#">&lt;tbody&gt;</a></u>	Groups the body content in a table
<u><a href="#">&lt;tfoot&gt;</a></u>	Groups the footer content in a table



# Table Layout of a Web Page

❑ Can you see any table here?

<div> Middle Age Arts</div> <div><b>Middle Age Arts</b></div> <div><a href="#">Home Page</a> <a href="#">View the catalog</a> <a href="#">Place an order</a></div> <div><b>About Gargoyles</b></div> <div><a href="#">Gargoyle Products</a> <a href="#">Gargoyle Products</a> <a href="#">(text version)</a></div> <div><b>Other Collections</b></div> <div><a href="#">The Vatican Collection</a> <a href="#">The Rodin Collection</a> <a href="#">Renaissance Masters</a></div>	<div><b>the DUNSTON Retreat Center</b></div> <div></div> <div><div>Next week at the Dunston Retreat Center</div><div>A letter from one of our guests</div></div> <div><p>The annual meeting of the Midwest Marriage Encounter occurs at the Dunston Retreat Center, June 11-13. Registration is \$50 and includes room and board. A boating trip on Lake Superior is planned for Saturday night (\$10 fee).</p></div> <div><p>Contact Maury Taylor at 555-2381 for reservation information.</p></div> <div><div><b>Upcoming Events</b></div><div>June 11-13 Marriage Encounter</div><div>June 18-20 Recovering Alcoholics</div><div>June 25-27 Spirituality Workshop</div><div>July 2-4 Lutheran Brotherhood</div><div>July 9-11 Recovering Alcoholics</div><div>July 16-18 Duluth Fellowship</div></div> <div><p>I'm writing to tell you how much I enjoyed my retreat at Dunston. I came to your center haggard and worn out from a long illness and job difficulties. I left totally refreshed. I especially want to thank Father Thomas Holloway for his support.</p></div> <div><p>I've enthusiastically told all of my friends about the wonderful place you have. Some of us are hoping to organize a group retreat. Rest assured that you'll see me again. Going to Dunston will become a yearly event for me.</p></div> <div><p>Sincerely, Doris Patterson</p></div>
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# Table Layout of Web Page (Cont.)

## ❑ This is previous site layout (uses tables)...

- Sample sites layout here: <http://www.ironspider.ca/webdesign102/tables4layout2.htm>




# Table Layout of Web Page (Cont.)

## ❑ Sample layouts



1 COLUMN WIDE



2 COLUMN, LEFT



2 COLUMN, RIGHT



3 COLUMN, LEFT



3 COLUMN, RIGHT



3 COLUMN, CENTER





# Table Layout of Web Page (Cont.)

## ❑ HTML Layout Techniques:

- HTML tables
- CSS float property
- CSS framework
- CSS flexbox

❑ The <table> element was not designed to be a layout tool! The purpose of the <table> element is to display tabular data. **So, do not use tables for your page layout! They will bring a mess into your code.**

❑ You can use div, span and HTML5 layout elements along with CSS for pages layout instead of tables.

## ❑ Resources:

- [http://www.w3schools.com/html/html\\_layout.asp](http://www.w3schools.com/html/html_layout.asp)
- <https://www.codementor.io/css/tutorial/4-different-layout-techniques-create-single-page>
- <https://www.smashingmagazine.com/2009/08/designing-a-html-5-layout-from-scratch/>
- <http://learnlayout.com/>
- [http://www.quackit.com/html/tutorial/html\\_layouts.cfm](http://www.quackit.com/html/tutorial/html_layouts.cfm)



# Self Study

## □ Self Study Topics:

- Styling tables using CSS
- HTML pages layout.
- Page layout with tables are no longer recommended, what is recommended now in layouts (tableless layouts)?



<Questions> ? </Questions>



**Thank You...**