

The screenshot shows a Mozilla Firefox window with the title bar "HTMLTables - Mozilla Firefox". The address bar displays "www.w3schools.com/html/html_tables.asp". The main content area is titled "Defining HTML Tables". It features a sidebar with links to various HTML topics like Layout, Responsive, Iframes, etc. The main content includes an "Example" section with the following HTML code:

```
<table style="width:100%">
<tr>
<td>111</td>
<td>Smith</td>
<td>50</td>
</tr>
<tr>
<td>Eve</td>
<td>Jackson</td>
<td>94</td>
</tr>
</table>
```

Below the code is a green button labeled "Try It Yourself ». To the right, there's a sidebar with a "10% OFF +30 DAYS FREE" offer for McAfee products, a "REPLAY" button, and social sharing links for Facebook and Twitter. The bottom of the page shows the Windows taskbar with various pinned icons.

This web page is going to introduce tables.

First row, first column	First row, second column
Second row, first column	Second row, second column

The problem is, this doesn't look much like a table because there aren't any borders around it.

Now lets take the same table and put the BORDER in the CSS to make it look more like a table.

First row, first column	First row, second column
Second row, first column	Second row, second column

I have set up two tables using the <table> tag. Each table has two rows that have the tag <tr>. Within the <tr> there are two cells that have the tag <td>. So there are a total of four cells. The table does not have borders (on the next slide you will see a table without borders).

I decided I wanted borders around the table and around each cell so I set up a style with table, td meaning it will apply to both the <table> and the <td>. I said I wanted a border that is 1px, a solid line and black.

This applies to all the tables on the page.

```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Start looking at TABLES</title>
<style type="text/css">
table, td
{
    border: 1px solid black;
}
</style>
</head>
<body>
<h2>This web page is going to introduce tables.</h2>
<table>
<tr>
<td>First row, first column</td>
<td>First row, second column</td>
</tr>
<tr>
<td>Second row, first column</td>
<td>Second row, second column</td>
</tr>
</table>
<h4>The problem is, this doesn't look much like a table because there aren't any borders around it.</h4>
<p>Now lets take the same table and put the BORDER in the CSS to make it look more like a table.</p>
<table>
<tr>
<td>First row, first column</td>
<td>First row, second column</td>
</tr>
<tr>
<td>Second row, first column</td>
<td>Second row, second column</td>
</tr>
</table>
</body>
</html>

```

This web page is going to introduce tables.

First row; first column First row, second column
 Second row, first column Second row, second column

In this example I have a table with no borders.

The problem is, this doesn't look much like a table because there aren't any borders around it.

Now lets take the same table and put the BORDER attribute in the TABLE designation to make it look more like a table.

First row, first column	First row, second column
Second row, first column	Second row, second column

This is an older way of doing things - I have set up a border = "1" in the <table> tag and so the table has borders.

Source of http://www.pgrocer.net/Cs44/HTML5/tables/introtables5.html - Mozilla Firefox

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Start looking at TABLES</title>
6 </head>
7 <body>
8 <h2>This web page is going to introduce tables.</h2>
9 <table>
10 <tr>
11   <td>First row, first column</td>
12   <td>First row, second column</td>
13 </tr>
14 <tr>
15   <td>Second row, first column</td>
16   <td>Second row, second column</td>
17 </tr>
18 </table>
19 <h4>The problem is, this doesn't look much like a table because there aren't
20 any borders around it.</h4>
21 <p>Now lets take the same table and put the BORDER attribute in the TABLE
22 designation to make it look more like a table.</p>
23 <table border="1">
24   <tr>
25     <td>First row, first column</td>
26     <td>First row, second column</td>
27   </tr>
28   <tr>
29     <td>Second row, first column</td>
30     <td>Second row, second column</td>
31   </tr>
32 </table>
33 </body>
34 </html>

```

This web page is going to introduce tables.

First row, first column	First row, second column
Second row, first column	Second row, second column

The problem is, this doesn't look much like a table because there aren't any borders around it.

Now lets take the same table and put the BORDER in the CSS to make it look more like a table.

First row, first column	First row, second column
Second row, first column	Second row, second column

I have set up different borders for the table itself and for the cells.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Start looking at TABLES</title>
6 <style type="text/css">
7 table
8 {
9     border: 2px solid blue;
10    }
11 td
12 {
13     border: 1px dotted red;
14    }
15 </style>
16 </head>
17 <body>
18 <h2>This web page is going to introduce tables.</h2>
19 <table>
20 <tr>
21 <td>First row, first column</td>
22 <td>First row, second column</td>
23 </tr>
24 <tr>
25 <td>Second row, first column</td>
26 <td>Second row, second column</td>
27 </tr>
28 </table>
29 <div>
30 <h4>The problem is, this doesn't look much like a table because there aren't
31 any borders around it.</h4>
32 <p>Now lets take the same table and put the BORDER in the CSS
33 to make it look more like a table.</p>
34 <table>
35 <tr>
36 <td>First row, first column</td>
37 <td>First row, second column</td>
38 </tr>
39 <tr>
40 <td>Second row, first column</td>
41 <td>Second row, second column</td>
42 </tr>
43 </table>
44 </div>
45 </body>
46 </html>
```

The screenshot shows a Mozilla Firefox window displaying a W3Schools tutorial on CSS styling tables. The page title is "CSS Styling Tables - Mozilla Firefox". The main content area shows code examples for applying borders to tables, th, and td elements. A sidebar on the right contains links for W3Schools Exams, a color picker, and social sharing options.

The example below specifies a black border for <table>, <th>, and <td> elements:

```
table, th, td {  
    border: 1px solid black;  
}
```

Try it yourself »

Notice that the table in the example above has double borders. This is because both the table and the <th>/<td> elements have separate borders.

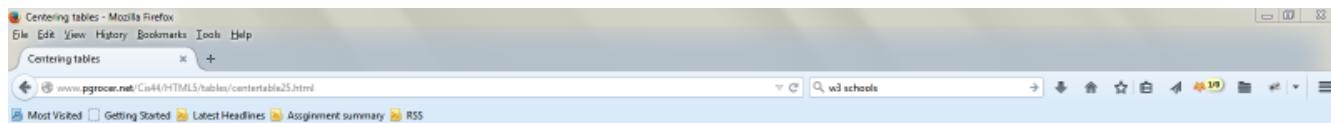
To display a single border for the table, use the border-collapse property.

Collapse Borders

The border-collapse property sets whether the table borders are collapsed into a single border or separated:

```
table {  
    border-collapse: collapse;  
}  
  
table, th, td {  
    border: 1px solid black;  
}
```

Try it yourself »



This is a program to test centering tables.

A screenshot of a Mozilla Firefox window titled "Source of http://www.pgrocer.net/Cs44/HTML5/tables/centerable25.html - Mozilla Firefox". The address bar shows the URL "http://www.pgrocer.net/Cs44/HTML5/tables/centerable25.html". The main content area displays the HTML source code for the page. The CSS section of the code includes the following rule: ".center { margin-left: auto; margin-right: auto; text-align: center; }". To the right of the code, there is a table with two columns. The first column contains the text "First" and "Third". The second column contains the text "Second" and "Fourth". The table is centered horizontally on the page. A pink arrow points from the ".center" class definition to the table. A pink box highlights the ".center" class definition. A pink border surrounds the entire screenshot.

This is the CSS that you need to center the table.
The text-align: center also centered the text within the cells.
Note that I could also have set up CSS and included
a border.

Start looking at TABLES - Mozilla Firefox
 File Edit View History Bookmarks Tools Help
 Start looking at TABLES

www.pgrocce.net/Cs44/HTML5/tables/introtablescenter5.html
 Most Visited Getting Started Latest Headlines Assignment summary RSS

This web page is going to introduce tables.

First row, first column	First row, second column
Second row, first column	Second row, second column

The problem is, this doesn't look much like a table because there aren't any borders around it.

Now lets take the same table and put the BORDER attribute in the TABLE designation to make it look more like a table.

First row, first column	First row, second column
Second row, first column	Second row, second column

You now have tables that are in the center of the screen.

Center the table and use the old way to give one of them a border.

Right now we have not learned the techniques to put borders on one table and not another using CSS. We will get to that in a few classes when we look more at CSS.

Source of: http://www.pgrocce.net/Cs44/HTML5/tables/introtablescenter5.html - Mozilla Firefox
 File Edit View Help

```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Start looking at TABLES</title>
<style type="text/css">
table {
  margin-left: auto;
  margin-right: auto;
}
</style>
</head>
<body>
<h2>This web page is going to introduce tables.</h2>
<table>
<tr>
<td>First row, first column</td>
<td>First row, second column</td>
</tr>
<tr>
<td>Second row, first column</td>
<td>Second row, second column</td>
</tr>
</table>
<h4>The problem is, this doesn't look much like a table because there aren't any borders around it.</h4>
<p>Now lets take the same table and put the BORDER attribute in the TABLE designation to make it look more like a table.</p>
<table border="1">
<tr>
<td>First row, first column</td>
<td>First row, second column</td>
</tr>
<tr>
<td>Second row, first column</td>
<td>Second row, second column</td>
</tr>
</table>
<h4>You now have tables that are in the center of the screen.</h4>
</body>
</html>
```

Desktop 10:19 PM 2/8/2015

This web page is going to introduce tables.

The screenshot shows a Mozilla Firefox window. The title bar says "Start looking at TABLES - Mozilla Firefox". The address bar shows the URL "http://www.w3schools.com/Css4/HTML5/tables/introtables5.htm". The main content area displays the source code of the page and its rendered output. The rendered output is a simple 2x2 table:

First row, first column	First row, second column
Second row, first column	Second row, second column

The source code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Start looking at TABLES</title>
6 <style type="text/css">
7 table {
8   margin-left: auto;
9   margin-right: auto;
10  border-style: solid;
11  border-width: 2px;
12  border-color: blue;
13 }
14 td {
15   border-style: solid;
16   border-width: 1px;
17   border-color: green;
18 }
19
20 </style>
21 </head>
22 <body>
23 <h2>This web page is going to introduce tables.</h2>
24 <table>
25   <tr>
26     <td>First row, first column</td>
27     <td>First row, second column</td>
28   </tr>
29   <tr>
30     <td>Second row, first column</td>
31     <td>Second row, second column</td>
32   </tr>
33 </table>
34 </body>
35 </html>
```

In previous examples, I put border and then I put three things that I wanted having to do with border. For example border: 1px solid blue; An alternative is to set each element of the border separately. I used border-style, border-width and border-color. The same things I used when I put in all together as border.

The screenshot shows a Mozilla Firefox window with the title bar "CSS Border - Mozilla Firefox". The address bar contains "www.w3schools.com/css/css_border.asp". The main content area displays the "CSS Border" tutorial from w3schools. The page header includes a navigation menu with links like Home, HTML, CSS, JavaScript, SQL, PHP, jQuery, Bootstrap, Angular, XML, Tutorials, References, Examples, and Forum. On the left, there's a sidebar with a list of CSS topics, including "CSS Border" which is currently selected. The main content area has a heading "CSS Border Properties" and a note: "The CSS border properties allow you to specify the style, size, and color of an element's border." Below this, there's a section titled "Border Style" with a note: "The border-style property specifies what kind of border to display." It lists several values: "none", "dotted", "dashed", "solid", "double", and "groove". A yellow lightbulb icon with a note says: "Note: None of the border properties will have ANY effect unless the border-style property is set!" To the right of the main content, there's a sidebar with sections for "WEB HOSTING" (UK Reseller Hosting), "WEB BUILDING" (FREE Website BUILDER, Free HTML5 Templates), and an advertisement for "ULTRA-FAST INTERNET SPEEDS" with a price of "\$39.99". The bottom of the screen shows the Windows taskbar with various pinned icons.

The screenshot shows a Mozilla Firefox window displaying the [w3schools.com/css/css_border.asp](http://www.w3schools.com/css/css_border.asp) page. The page content includes two examples of CSS code snippets for setting borders on `p` elements. The first example shows separate declarations for top, right, bottom, and left borders:

```
p {  
    border-top-style: dotted;  
    border-right-style: solid;  
    border-bottom-style: dotted;  
    border-left-style: solid;  
}
```

The second example shows a shorthand declaration where all four borders are set to the same style:

```
p {  
    border-style: dotted solid;  
}
```

Both examples include a "Try it yourself" button. A note on the page says: "Be sure to continue at w3schools reading about some variations." Below the examples, a note states: "The example above can also be set with a single property:". At the bottom of the page, there is a list of border-style variations:

- **border-style: dotted solid double dashed;**
 - top border is dotted
 - right border is solid
 - bottom border is double
 - left border is dashed
- **border-style: dotted solid double;**

The Firefox toolbar and status bar are visible at the bottom of the browser window.

This web page is going to continue looking at tables.

Now lets look at putting captions on the table and on the columns:

A caption on the whole table is done with the CAPTION command. Note that the caption is centered.

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

This is the sample table complete with caption



```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Continue looking at TABLES</title>
6 <style type="text/css">
7 table {
8   border: solid thin;
9   caption-side: bottom;
10 }
11 td {
12   border: solid thin;
13 }
14 </style>
15 </head>
16 <body>
17 <h2>
18 <div>This web page is going to continue looking at tables.</div>
19 <div>Now lets look at putting captions on the table And on the columns!</div>
20 <p>A caption on the whole table is done with the CAPTION command. Note that
21 the caption can be either at the top or bottom of the table (ALIGN=BOTTOM
22 puts the caption underneath the table). The TH command creates column
23 headers.</p>
24 <table>
25
26 <caption> This is the sample table complete with captions</caption>
27 <thead>
28   <tr>
29     <th>COLUMN #1</th>
30     <th>COLUMN #2</th>
31   </tr>
32   <tr>
33     <td>First row, first column</td>
34     <td>First row, second column</td>
35   </tr>
36   <tr>
37     <td>Second row, first column</td>
38     <td>Second row, second column</td>
39   </tr>
40 </thead>
41 <tbody>
42 </tbody>
43 </table>
44
45 </body>
46 </html>

```

Note I am using <th> for the header cells which means that they will be bold and centered.
Note that I decided not to put a border around the <th> headers.

Continue looking at TABLES - Mozilla Firefox

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Continue looking at TABLES < The W3C Markup Validation Service >

www.pgrocer.net/Cs44/HTML5/tables/withformat5.html

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This web page is going to continue looking at tables.

You can alter the BORDER on the table and you can use padding to leave

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

This is the sample table complete with caption

ROW #S	COLUMN #1	COLUMN #2
First row	1,1	1,2
Second row	2,1	2,2
Third row	3,1	3,2

Source of http://www.pgrocer.net/Cs44/HTML5/tables/withformat5.html - Mozilla Firefox

File Edit View Help

```

1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Continue looking at TABLES</title>
6     <style type="text/css">
7       table {
8         border: solid thick;
9         padding: 10px;
10      }
11      td, th {
12        border: solid thin;
13      }
14    </style>
15  </head>
16  <body>
17    <h2>This web page is going to continue looking at tables.</h2>
18    <h3>You can alter the BORDER on the table and you can use padding to
19    leave a little space inside, between the border and the data in the cell.</h3>
20    <table>
21      <tr>
22        <td>
23          <th>COLUMN #1</th>
24          <th>COLUMN #2</th>
25        </td>
26      </tr>
27      <tr>
28        <td>First row, first column</td>
29        <td>First row, second column</td>
30      </tr>
31      <tr>
32        <td>Second row, first column</td>
33        <td>Second row, second column</td>
34      </tr>
35    </table>
36    <p> <br /></p>
37    <table style="border: solid thick black;" >
38      <tr>
39        <th style="padding:20px;">COLUMN #1</th>
40        <th style="padding:20px;">COLUMN #2</th>
41      </tr>
42      <tr>
43        <td style="padding:20px;">First row, first column</td>
44        <td style="padding:20px;">First row, second column</td>
45      </tr>
46      <tr>
47        <td style="padding:20px;">Second row, first column</td>
48        <td style="padding:20px;">Second row, second column</td>
49      </tr>
50    </table>
51  </body>
52</html>

```

Now I am putting padding around the table.

Here I am putting padding in the cells as well.

Desktop 10:30 PM 2/8/2015

This web page is going to continue looking at TABLES - Mozilla Firefox

Continue looking at TABLES The W3C Markup Validation Service

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www.w3schools.com/Css4/HTML5/tables/withformat5.html

This web page is going to continue looking at table

You can alter the BORDER on the table and you can use padding

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

ROW #S	COLUMN #1	COLUMN #2
First row	1,1	1,2
Second row	2,1	2,2
Third row	3,1	3,2

Here I added in style to change the text-align in specified cells and I also used <tr> to make a header column in the left column.

```

31 <tr>
32   <td>Second row, first column</td>
33   <td>Second row, second column</td>
34 </tr>
35 </table>
36 <p> <br /></p>
37 <table style="border: solid thick black;" >
38   <tr>
39     <th style="padding:20px;">COLUMN #1</th>
40     <th style="padding:20px;">COLUMN #2</th>
41   </tr>
42   <tr>
43     <td style="padding:20px;">First row, first column</td>
44     <td style="padding:20px;">First row, second column</td>
45   </tr>
46   <tr>
47     <td style="padding:20px;">Second row, first column</td>
48     <td style="padding:20px;">Second row, second column</td>
49   </tr>
50 </table>
51 <p> <br /></p>
52 <table border="1">
53   <caption> This is the sample table complete with caption</caption>
54   <tr style="text-align:center;">
55     <th>ROW #S</th>
56     <th>COLUMN #1</th>
57     <th>COLUMN #2</th>
58   </tr>
59   <tr>
60     <th>First row</th>
61     <td>1,1</td>
62     <td>1,2</td>
63   </tr>
64   <tr>
65     <th>Second row</th>
66     <td style="text-align: center;">2,1</td>
67     <td>2,2</td>
68   </tr>
69   <tr>
70     <th>Third row</th>
71     <td>3,1</td>
72     <td style="text-align: right;">3,2</td>
73   </tr>
74 </table>
75 
```

This web page is going to continue looking at tables.

You can alter the BORDER on the table and you can use padding to leave a little space inside, between the border and the data in the cell.

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

ROW #S	COLUMN #1	COLUMN #2
First row	1,1	1,2
Second row	2,1	2,2
Third row	3,1	3,2

I changed the padding for the top, right, bottom and left.

```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Continue looking at TABLES</title>
<style type="text/css">
table {
    border: solid thick;
    padding-top: 10px;
    padding-right: 20px;
    padding-bottom: 30px;
    padding-left: 50px;
}
td, th {
    border: solid thin;
}
</style>
</head>
<body>
<h2>This web page is going to continue looking at tables.</h2>
<h3>You can alter the BORDER on the table and you can use padding to leave a little space inside, between the border and the data in the cell.</h3>
<table>
<tr>
<th>COLUMN #1</th>
<th>COLUMN #2</th>
</tr>
<tr>
<td>First row, first column</td>
<td>First row, second column</td>
</tr>
<tr>
<td>Second row, first column</td>
<td>Second row, second column</td>
</tr>
<tr>
<td>Third row</td>
<td>3,1</td>
<td>3,2</td>
</tr>
</table>
<p><br /></p>
<table>
<tr>
<th>COLUMN #1</th>
<th>COLUMN #2</th>
</tr>
<tr>
<td>First row, first column</td>
<td>First row, second column</td>
</tr>
<tr>
<td>Second row, first column</td>
<td>Second row, second column</td>
</tr>
</table>

```

This web page is going to continue looking at tables.

You can alter the BORDER on the table and you can use padding to le

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

COLUMN #1	COLUMN #2
First row, first column	First row, second column
Second row, first column	Second row, second column

ROW #S	COLUMN #1	COLUMN #2
First row	1,1	1,2
Second row	2,1	2,2
Third row	3,1	3,2

A shorthand way to do padding.

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Continue looking at TABLES</title>
6 <style type="text/css">
7 table {
8   border: solid thick;
9   padding: 10px 20px 30px 50px;
10 }
11 td, th {
12   border: solid thin;
13 }
14 </style>
15 </head>
16 <body>
17 <h2>This web page is going to continue looking at tables.</h2>
18 <h3>You can alter the BORDER on the table and you can use padding to leave a little space inside, between the border and the data in the cell.</h3>
19 <table>
20   <tr>
21     <th>COLUMN #1</th>
22     <th>COLUMN #2</th>
23   </tr>
24   <td>First row, first column</td>
25   <td>First row, second column</td>
26   </tr>
27   <tr>
28     <td>Second row, first column</td>
29     <td>Second row, second column</td>
30   </tr>
31   <tr>
32     <td>Third row, first column</td>
33     <td>Third row, second column</td>
34   </tr>
35 </table>
36 <p><br /></p>
37 <table>
38   <tr>
39     <th>COLUMN #1</th>
40     <th>COLUMN #2</th>
41   </tr>
42   <tr>
43     <td>First row, first column</td>
44     <td>First row, second column</td>
45   </tr>
46   <tr>
47     <td>Second row, first column</td>
48     <td>Second row, second column</td>
49   </tr>
50 </table>
51 </body>
52 </html>
```

The screenshot shows a Mozilla Firefox window displaying the W3Schools CSS Padding tutorial. The URL in the address bar is www.w3schools.com/css/css_padding.asp. The page content is titled "Padding - Individual sides" and explains how to specify different padding for different sides. It includes an example code snippet:

```
p {  
    padding-top: 25px;  
    padding-right: 50px;  
    padding-bottom: 25px;  
    padding-left: 50px;  
}
```

Below the code is a "Try it yourself" button. To the right, there is a "W3SCHOOLS EXAMS" section with links for HTML, CSS, JavaScript, PHP, jQuery, and XML Certifications, and a "SHARE THIS PAGE" section with social media sharing icons. At the bottom, there is a "COLOR PICKER" and a status bar showing the URL and system information.

This is a table that uses the tags **thead**, **tfoot**

Note that they should be used in that order. You put tfoot above tbody and the reason given is for the tbody have come in.

Class	Day	Start time
Internet Developer	Monday	11:00
Oracle	Tues Thurs	9:30
Programming Logic	Tues/Thurs	11:00
Programming Logic	Tues/Thurs	12:30
4		

The only attribute that HTML5 allows is apparently the border. For other thing it is recommended that you use CSS. W3schools says, "Only the "border" attribute is supported in HTML5, and it only allows the values "" or "1".

Source of http://www.pgofer.net/Cs44/HTML5/tables/theadtfootbody5.html - Mozilla Firefox

```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Table with thead, tfoot, and tbody</title>
</head>
<body>
<h1>This is a table that uses the tags thead, tfoot and tbody</h1>
<p>Note that they should be used in that order. You put tfoot above tbody and the reason given is that it allows the page to render the foot before all the data for the tbody have come in.</p>
<table>
<thead>
<tr>
<th>Class</th>
<th>Day</th>
<th>Start time</th>
</tr>
</thead>
<tfoot>
<tr>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
</tr>
</tfoot>
<tbody>
<tr>
<td>Internet Developer</td>
<td>Monday</td>
<td>11:00</td>
</tr>
<tr>
<td>Oracle</td>
<td>Tues/Thurs</td>
<td>9:30</td>
</tr>
<tr>
<td>Programming Logic</td>
<td>Tues/Thurs</td>
<td>11:00</td>
</tr>
<tr>
<td>Programming Logic</td>
<td>Tues/Thurs</td>
<td>12:30</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

```

Note the use of <thead><tfoot> and <tbody>
Look up their use.

They are now recommending against it.

HTML head tag - Mozilla Firefox

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HTML head tag

www.w3schools.com/tags/tag_head.asp

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COLOR PICKER

Definition and Usage

The <thead> tag is used to group header content in an HTML table.

The <thead> element is used in conjunction with the <tbody> and <tfoot> elements to specify each part of a table (header, body, footer). Browsers can use these elements to enable scrolling of the table body independently of the header and footer. Also, when printing a large table that spans multiple pages, these elements can enable the table header and footer to be printed at the top and bottom of each page.

The <thead> tag must be used in the following context: As a child of a <table> element, after any <caption>, and <colgroup> elements, and before any <tbody>, <tfoot>, and <tr> elements.

Browser Support

Element	Google Chrome	Internet Explorer	Firefox	Safari	Opera
<thead>	Yes	Yes	Yes	Yes	Yes

Tips and Notes

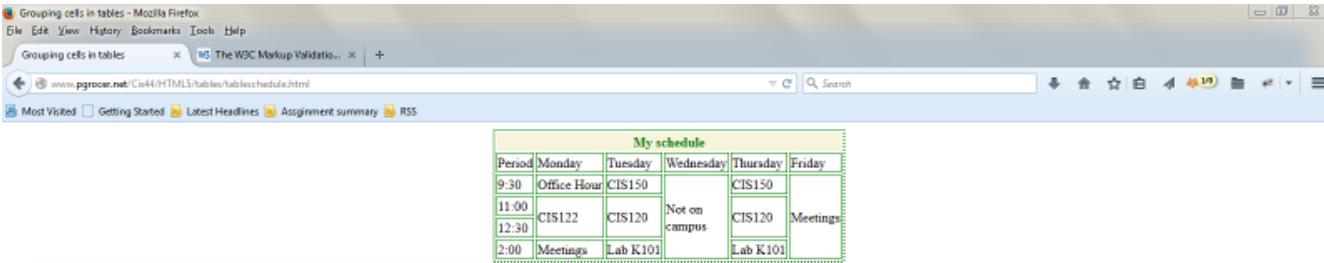
Note: The <thead> element must have one or more <tr> tags inside.

Tip: The <thead>, <tbody>, and <tfoot> elements will not affect the layout of the table by default. However, you can use CSS to style these elements.

Differences Between HTML 4.01 and HTML5

None of the HTML 4.01 attributes are supported in HTML5.

Desktop 10:44 PM 2/8/2015



This shows the style I used for the table. I have a dotted green border around the whole table and a solid green border around each <td> cell. The top row is a <th> and I put in colspan of 6 which means it spans 5 columns. I also put in a style to give it a background of beige and a color of green - note that the <th> already had a text-align: center. Note also that the style I embedded in the <th> could have been done in the style up in the head.

Continued on the next slide.



Desktop 10:45 PM 2/8/2015

Grouping cells in tables - Mozilla Firefox

The W3C Markup Validation Service

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Source of: http://www.pgracer.net/Cs44/HTML5/tables/tablecschedule.html

```

24 <table>
25   <tr>
26     <th colspan="6" style="background-color: beige; color: green;">
27       Period
28     </th>
29     <th>Monday</th>
30     <th>Tuesday</th>
31     <th>Wednesday</th>
32     <th>Thursday</th>
33     <th>Friday</th>
34   </tr>
35   <tr>
36     <td>9:30</td>
37     <td>Office Hour</td>
38     <td>CIS150</td>
39     <td colspan="4" style="background-color: beige; color: green;">
40       CIS150
41       Not on campus
42       CIS120
43       Meetings
44     </td>
45   </tr>
46   <tr>
47     <td>11:00</td>
48     <td rowspan="4">CIS122</td>
49     <td rowspan="2">CIS120</td>
50     <td rowspan="2">CIS120</td>
51     <td>Lab K101</td>
52   </tr>
53   <tr>
54     <td>12:30</td>
55     <td>Meetings</td>
56     <td>Lab K101</td>
57     <td>Lab K101</td>
58   </tr>
59   <tr>
60     <td>2:00</td>
61     <td>Meetings</td>
62     <td>Lab K101</td>
63     <td>Lab K101</td>
64   </tr>
65 </table>
66 </body>
67 </html>

```

My schedule

Period	Monday	Tuesday	Wednesday	Thursday	Friday	
9:30	Office Hour	CIS150	Not on campus			
11:00	CIS122	CIS120	CIS150	CIS120	Meetings	
12:30						
2:00	Meetings	Lab K101	Lab K101			

Note that I have a rowspan of 4 that says Not on campus. Rowspan of 4 means it includes 4 rows. In other places I have a rowspan of 2 for the double period for CIS122 and CIS120.

Now lets look at the rows. The top row has a colspan of 6 so it really goes across the whole table since there are 6 columns and it spans them all.

The next row has the word period and then the days of the week in each cell.

The third row has a time, Office Hours, CIS150 and then it comes to a rowspan of 4 which means it goes down 4 rows. I then has a CIS150 and then another rowspan of 4.

The fourth row has a time and then CIS122 which has a rowspan of 2 followed by CIS120 with a rowspan of 2 and then the fourth column already has been specified in the rowspan of 4 for Not on campus so I do not include that. I move on to the next CIS120 with a rowspan of 2 and then I do nothing because Meetings has already got the rowspan of 2. So on that row I only account for 4 columns.

The 5th column only has the time cell because the other cells are all part of previous row spans.

The last column has 4 things because 2 columns have been taken using the rowspan of 4.