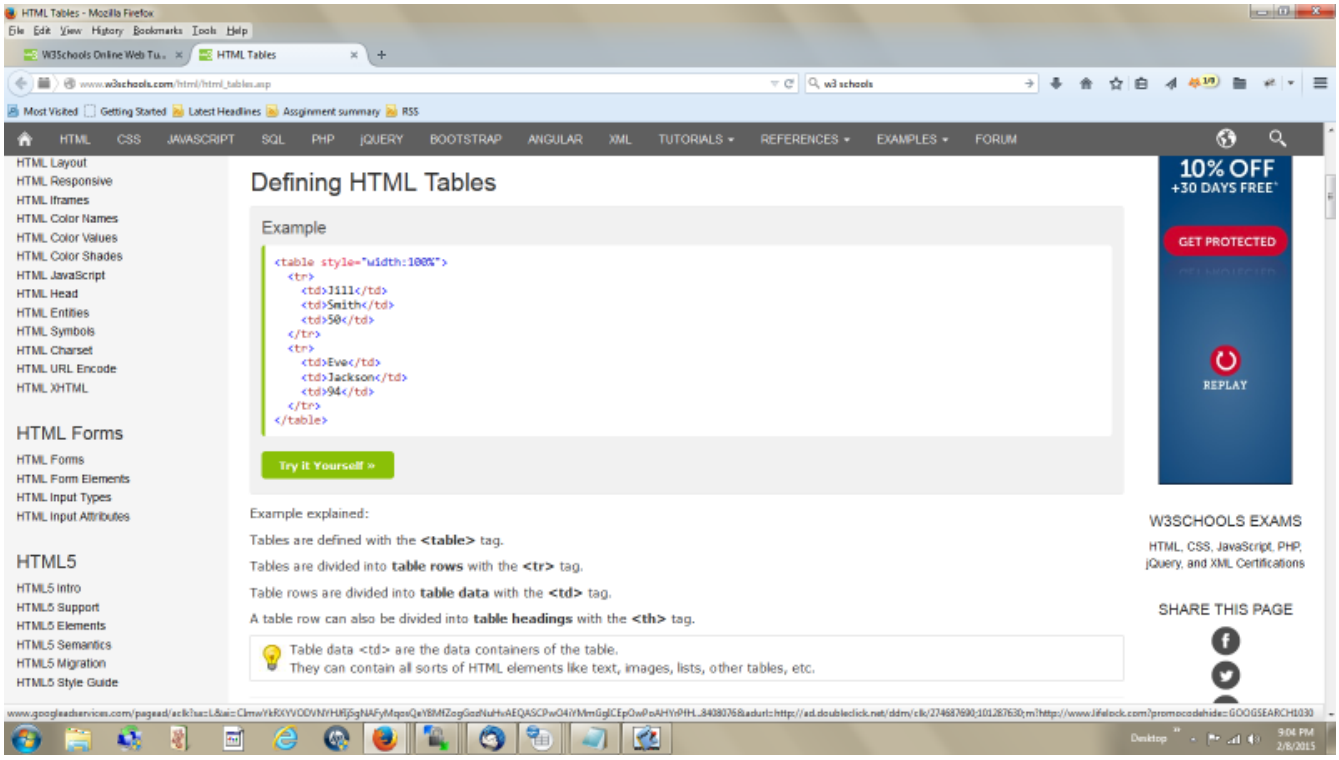
HTML Tables - Mozilla Firefox
W3Schools Online Web Tu...
HTML Tables
HTML CSS JAVASCRIPT SQL PHP jQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM
HTML Layout
HTML Responsive
HTML Iframes
HTML Color Names
HTML Color Values
HTML Color Shades
HTML JavaScript
HTML Head
HTML Entities
HTML Symbols
HTML Charset
HTML URL Encode
HTML XHTML
HTML Forms
HTML Forms
HTML Form Elements
HTML Input Types
HTML Input Attributes
HTML5
HTML5 Intro
HTML5 Support
HTML5 Elements
HTML5 Semantics
HTML5 Migration
HTML5 Style Guide
Defining HTML Tables
Example
<table style="width:100%">
<tr>
<td>Jill</td>
<td>Smith</td>
<td>50</td>
</tr>
<tr>
<td>Eve</td>
<td>Jackson</td>
<td>94</td>
</tr>
</table>
Try it Yourself »
Example explained:
Tables are defined with the <table> tag.
Tables are divided into table rows with the <tr> tag.
Table rows are divided into table data with the <td> tag.
A table row can also be divided into table headings with the <th> tag.
Table data <td> are the data containers of the table.
They can contain all sorts of HTML elements like text, images, lists, other tables, etc.
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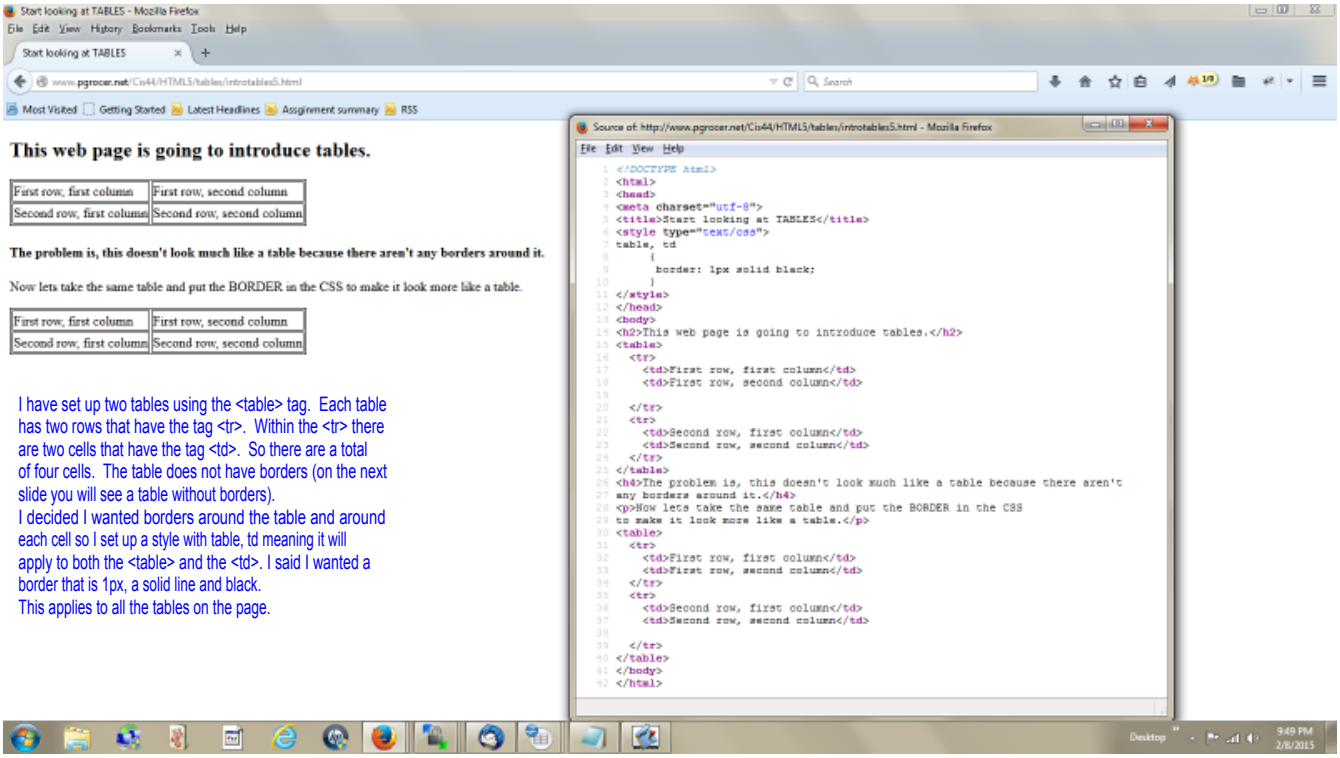
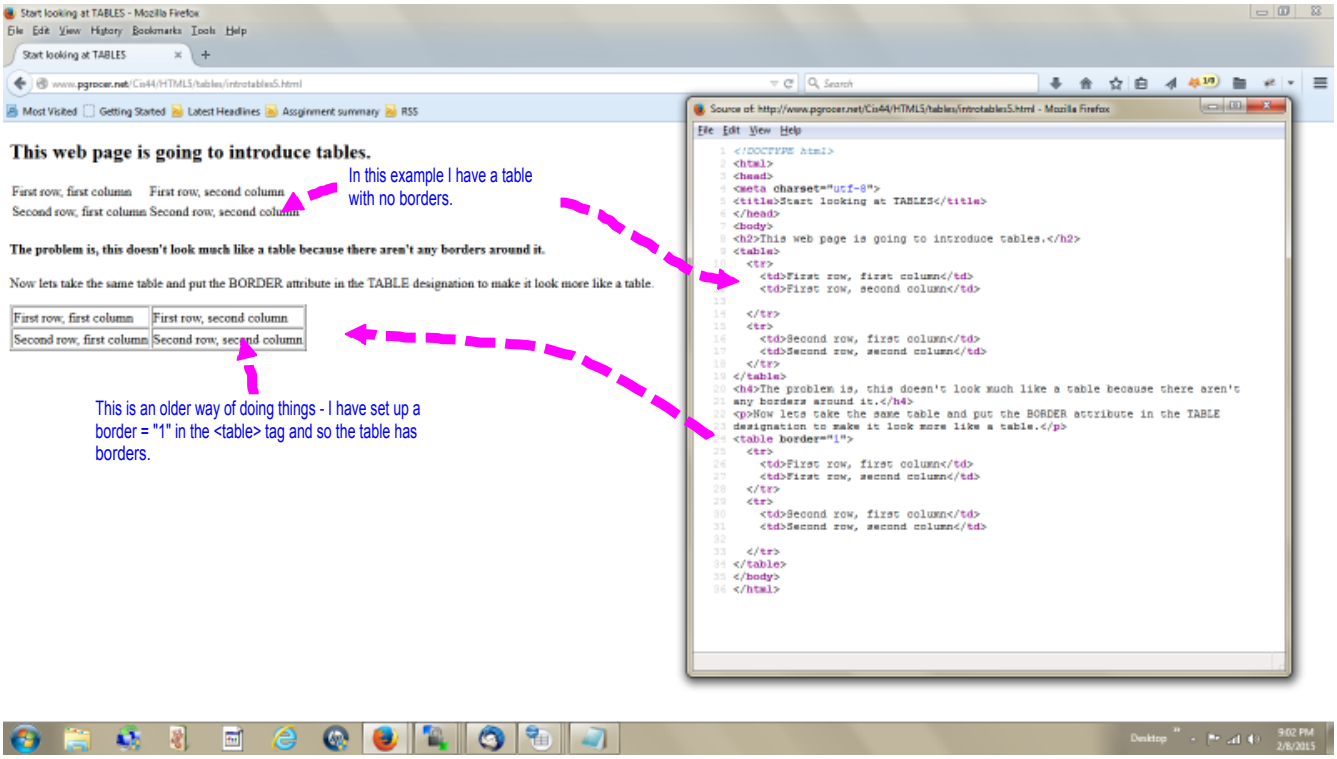
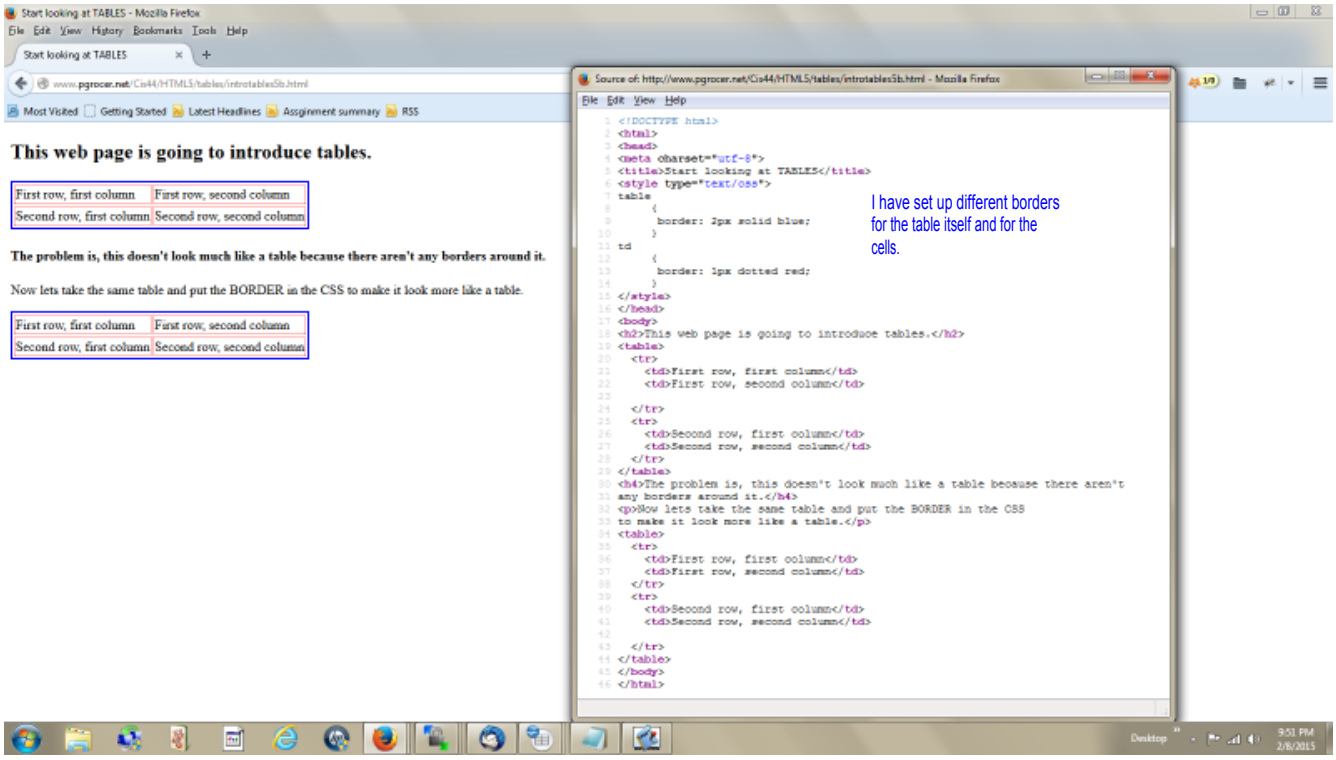
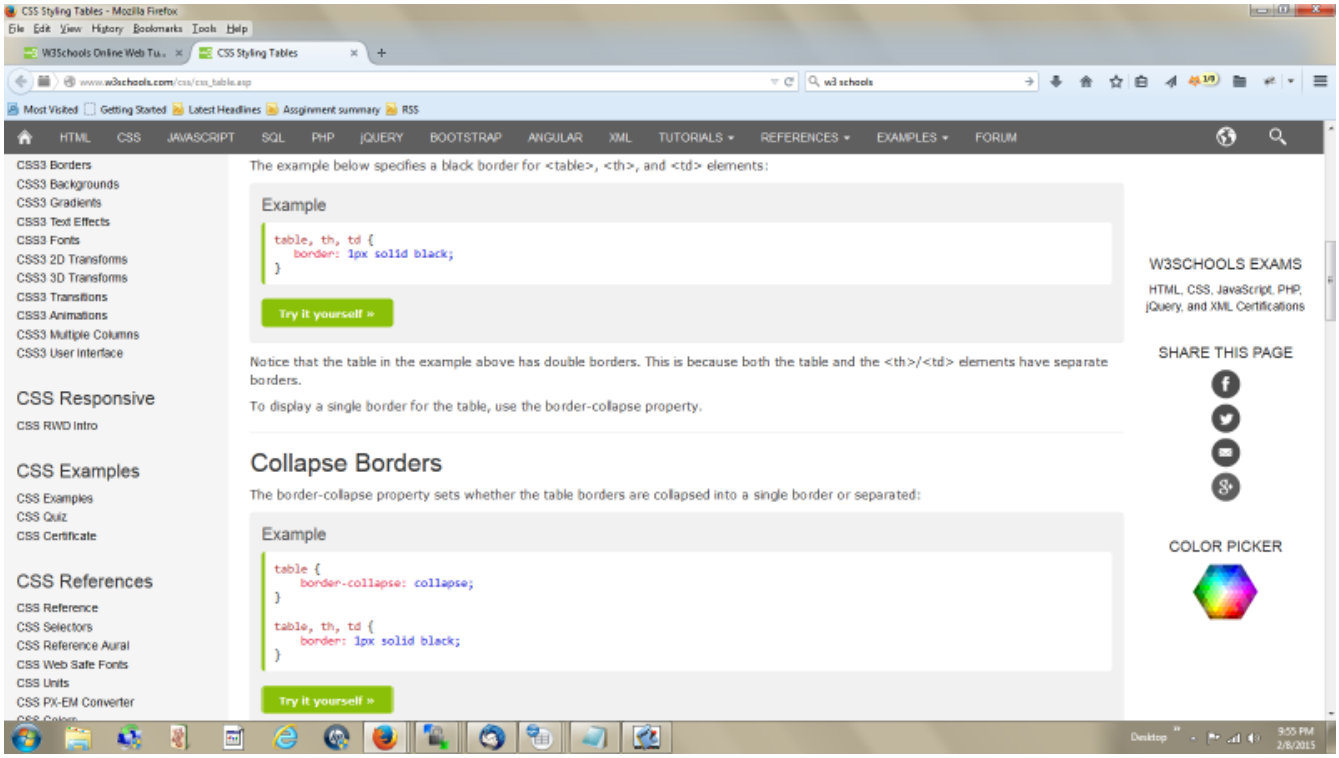


I have set up two tables using the <table> tag. Each table has two rows that have the tag <tr>. Within the <tr> there are two cells that have the tag <td>. So there are a total of four cells. The table does not have borders (on the next slide you will see a table without borders).
I decided I wanted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


Start looking at TABLES - Mozilla Firefox
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
In this example I have a table with no borders.
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/Cis44/HTML5/tables/introtables5.html - Mozilla Firefox


Start looking at TABLES - Mozilla Firefox
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.
I have set up different borders for the table itself and for the cells.


CSS Styling Tables - Mozilla Firefox
W3Schools Online Web Tu...
CSS Styling Tables
HTML CSS JAVASCRIPT SQL PHP jQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM
CSS3 Borders
CSS3 Backgrounds
CSS3 Gradients
CSS3 Text Effects
CSS3 Fonts
CSS3 2D Transforms
CSS3 3D Transforms
CSS3 Transitions
CSS3 Animations
CSS3 Multiple Columns
CSS3 User Interface
CSS Responsive
CSS RWD Intro
CSS Examples
CSS Examples
CSS Quiz
CSS Certificate
CSS References
CSS Reference
CSS Selectors
CSS Reference Aural
CSS Web Safe Fonts
CSS Units
CSS PX-EM Converter
The example below specifies a black border for <table>, <th>, and <td> elements:
Example
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:
Example
table {
border-collapse: collapse;
}
table, th, td {
border: 1px solid black;
}
Try it yourself »
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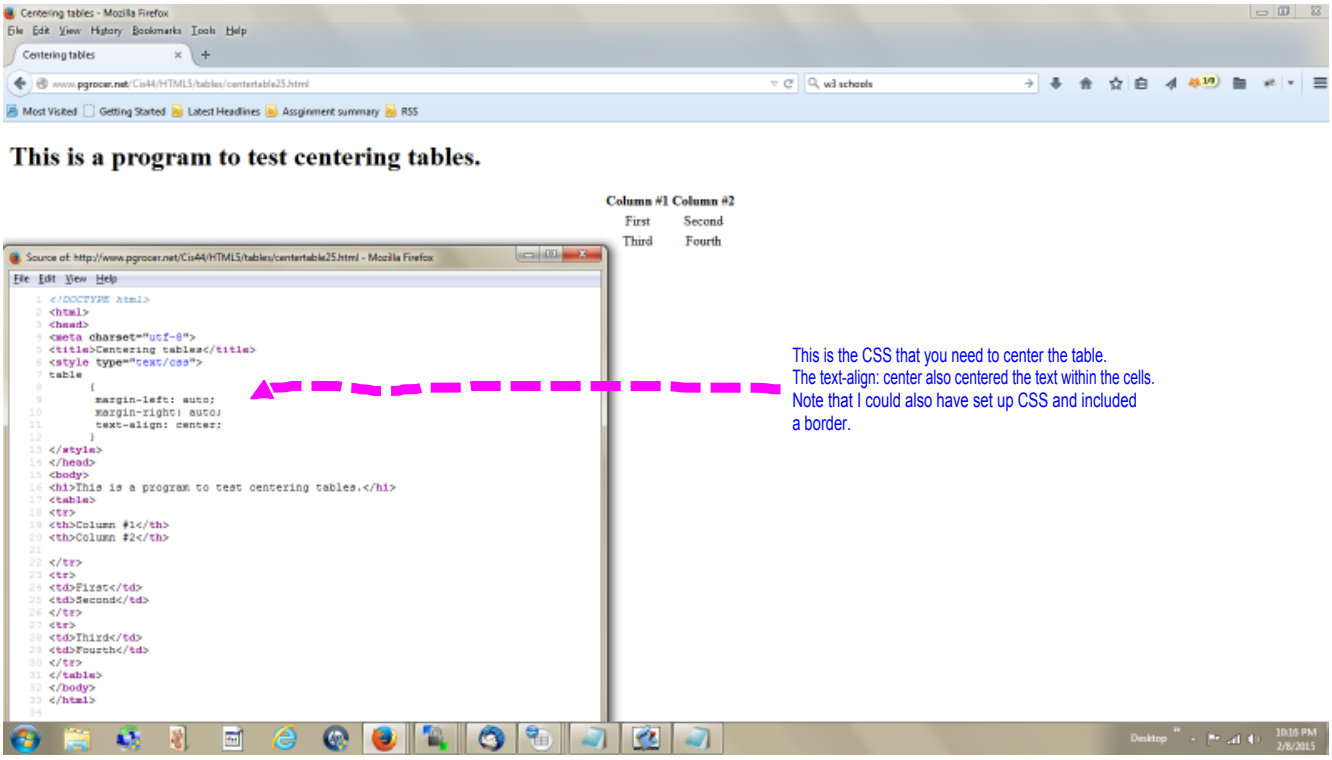
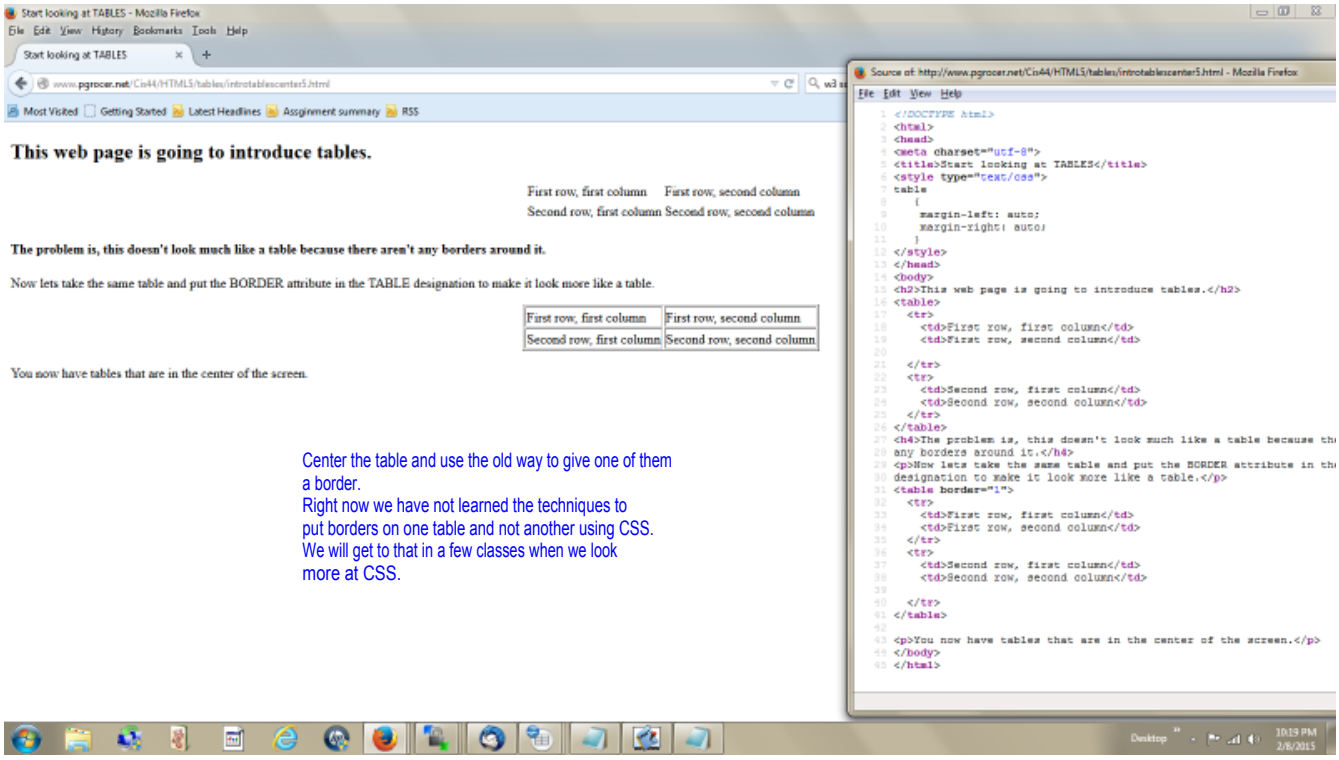
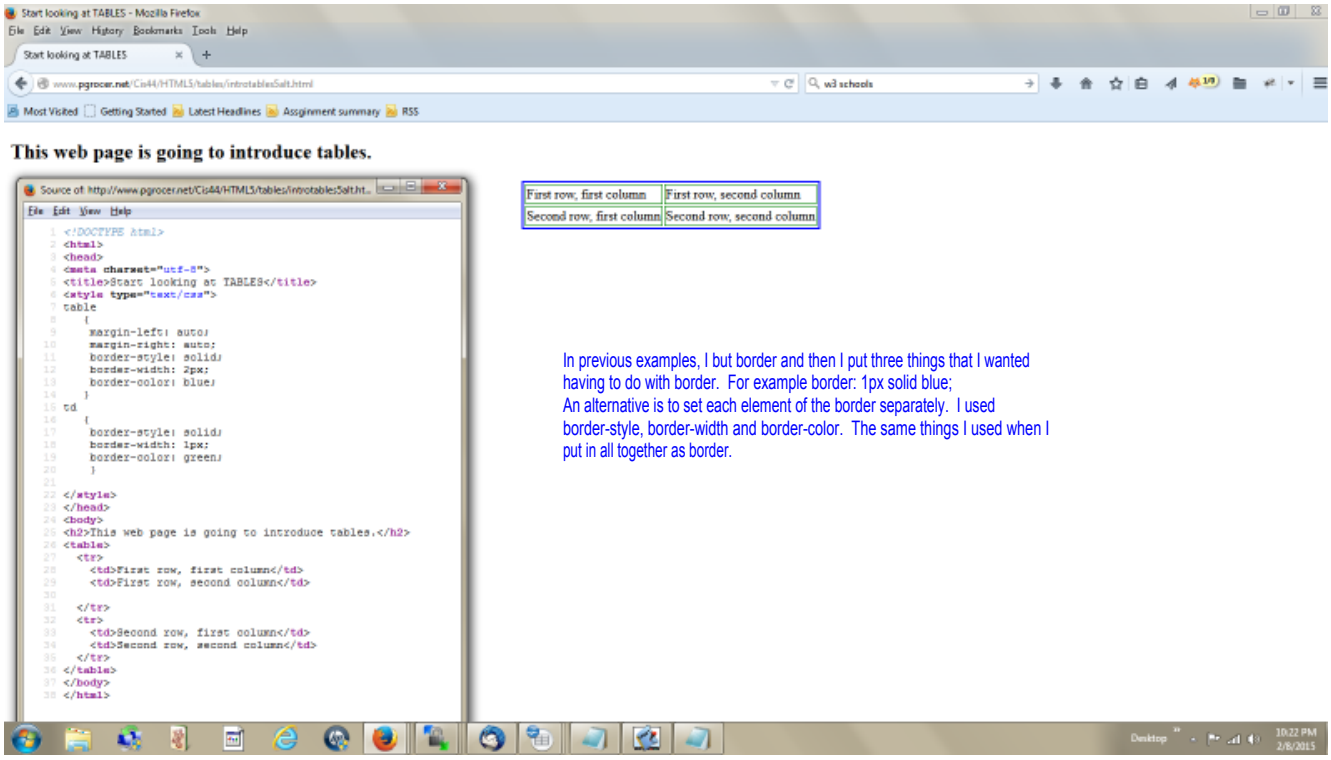
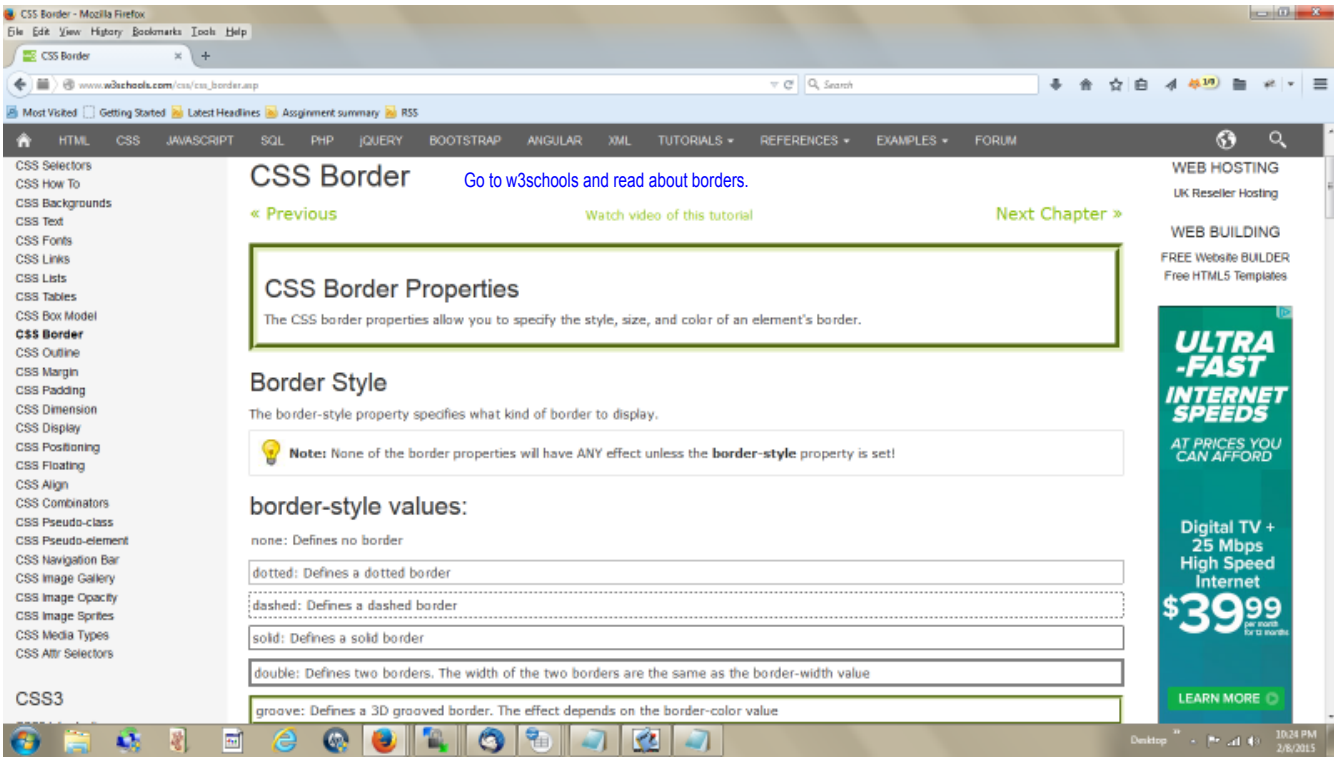

Centering tables - Mozilla Firefox
This is a program to test centering tables.
Column #1 Column #2
First Second
Third Fourth
Source of: http://www.pgrocer.net/Cis44/HTML5/tables/centertable25.html - Mozilla Firefox
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Centering tables</title>
<style type="text/css">
table
{
margin-left: auto;
margin-right: auto;
text-align: center;
}
</style>
</head>
<body>
<h1>This is a program to test centering tables.</h1>
<table>
<tr>
<th>Column #1</th>
<th>Column #2</th>
</tr>
<tr>
<td>First</td>
<td>Second</td>
</tr>
<tr>
<td>Third</td>
<td>Fourth</td>
</tr>
</table>
</body>
</html>
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.



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.


Start looking at TABLES - Mozilla Firefox
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 previous examples, I but 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.


CSS Border - Mozilla Firefox
CSS Border
HTML CSS JAVASCRIPT SQL PHP jQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM
CSS Selectors
CSS How To
CSS Backgrounds
CSS Text
CSS Fonts
CSS Links
CSS Lists
CSS Tables
CSS Box Model
CSS Border
CSS Outline
CSS Margin
CSS Padding
CSS Dimension
CSS Display
CSS Positioning
CSS Floating
CSS Align
CSS Combinators
CSS Pseudo-class
CSS Pseudo-element
CSS Navigation Bar
CSS Image Gallery
CSS Image Opacity
CSS Image Sprites
CSS Media Types
CSS Attr Selectors
CSS3
CSS Border
Go to w3schools and read about borders.
« Previous
Watch video of this tutorial
Next Chapter »
CSS Border Properties
The CSS border properties allow you to specify the style, size, and color of an element's border.
Border Style
The border-style property specifies what kind of border to display.
Note: None of the border properties will have ANY effect unless the border-style property is set!
border-style values:
none: Defines no border
dotted: Defines a dotted border
dashed: Defines a dashed border
solid: Defines a solid border
double: Defines two borders. The width of the two borders are the same as the border-width value
groove: Defines a 3D grooved border. The effect depends on the border-color value
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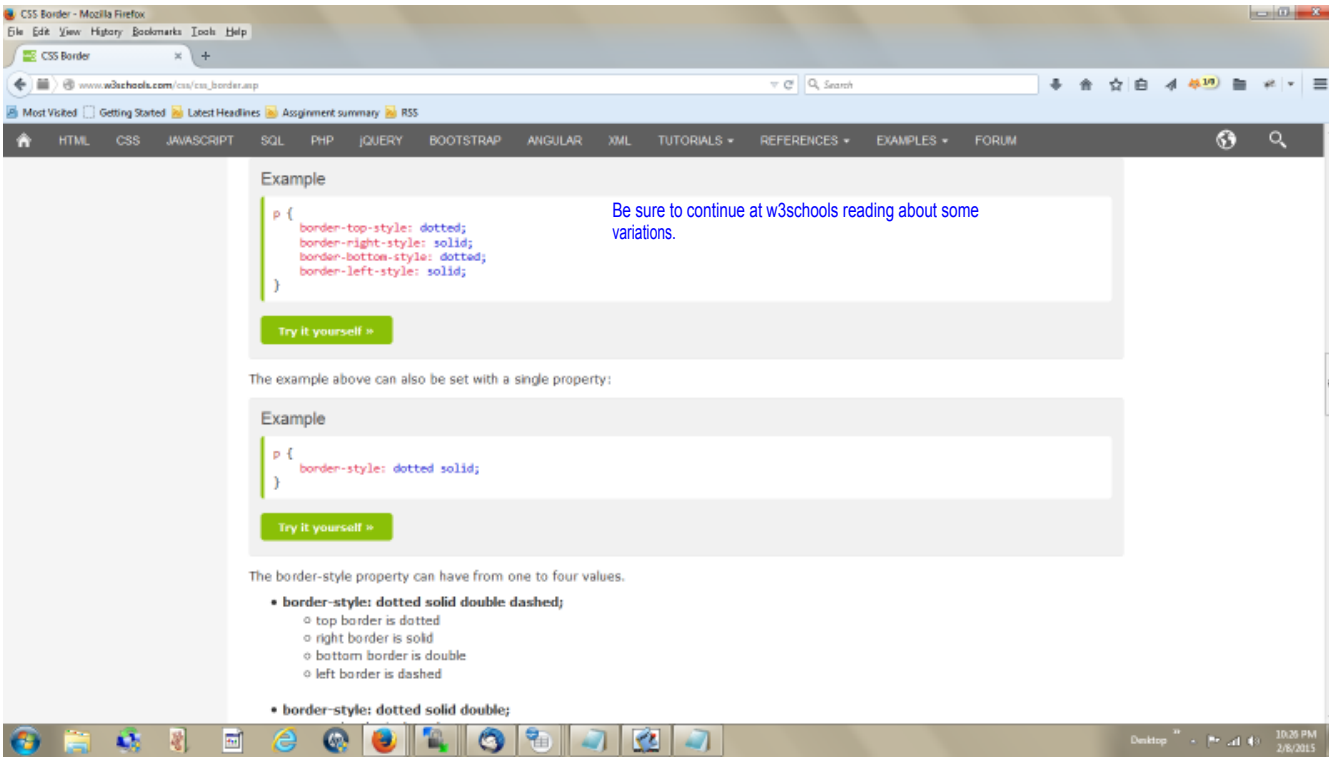
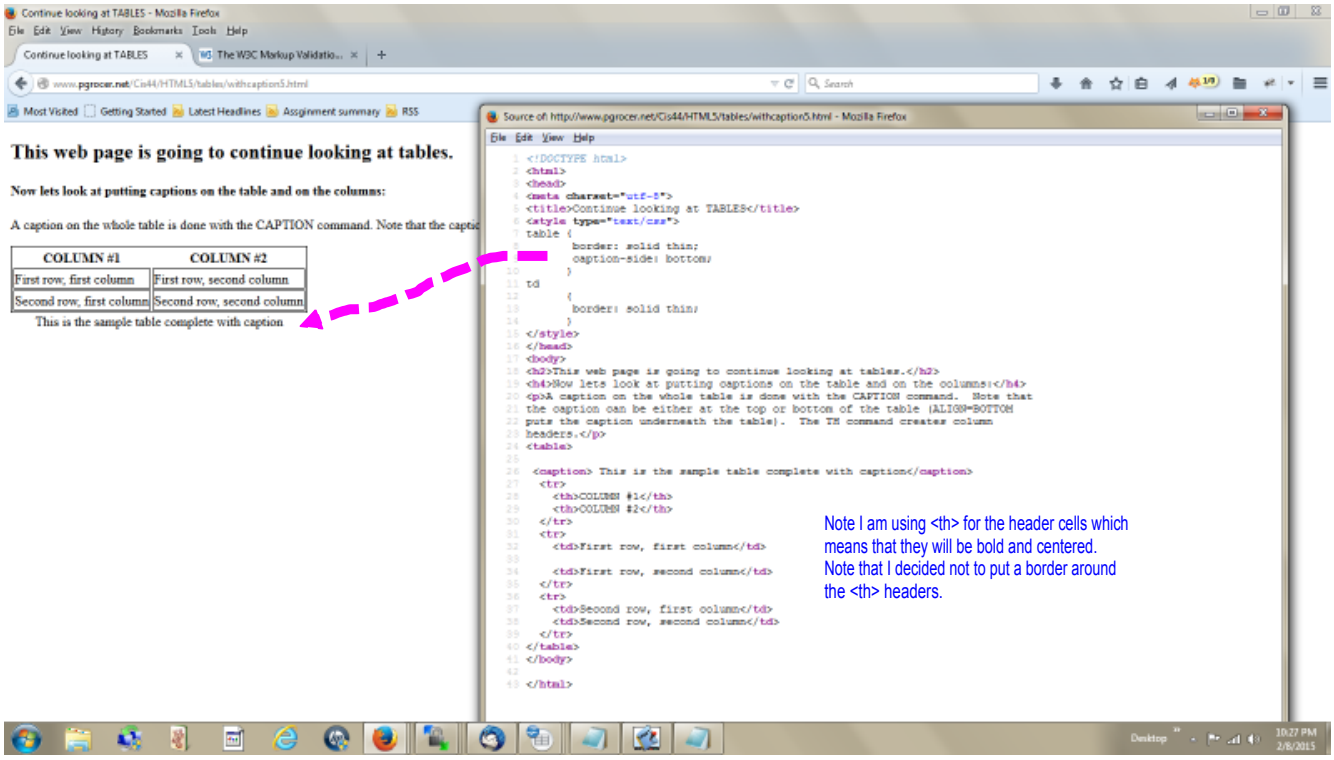
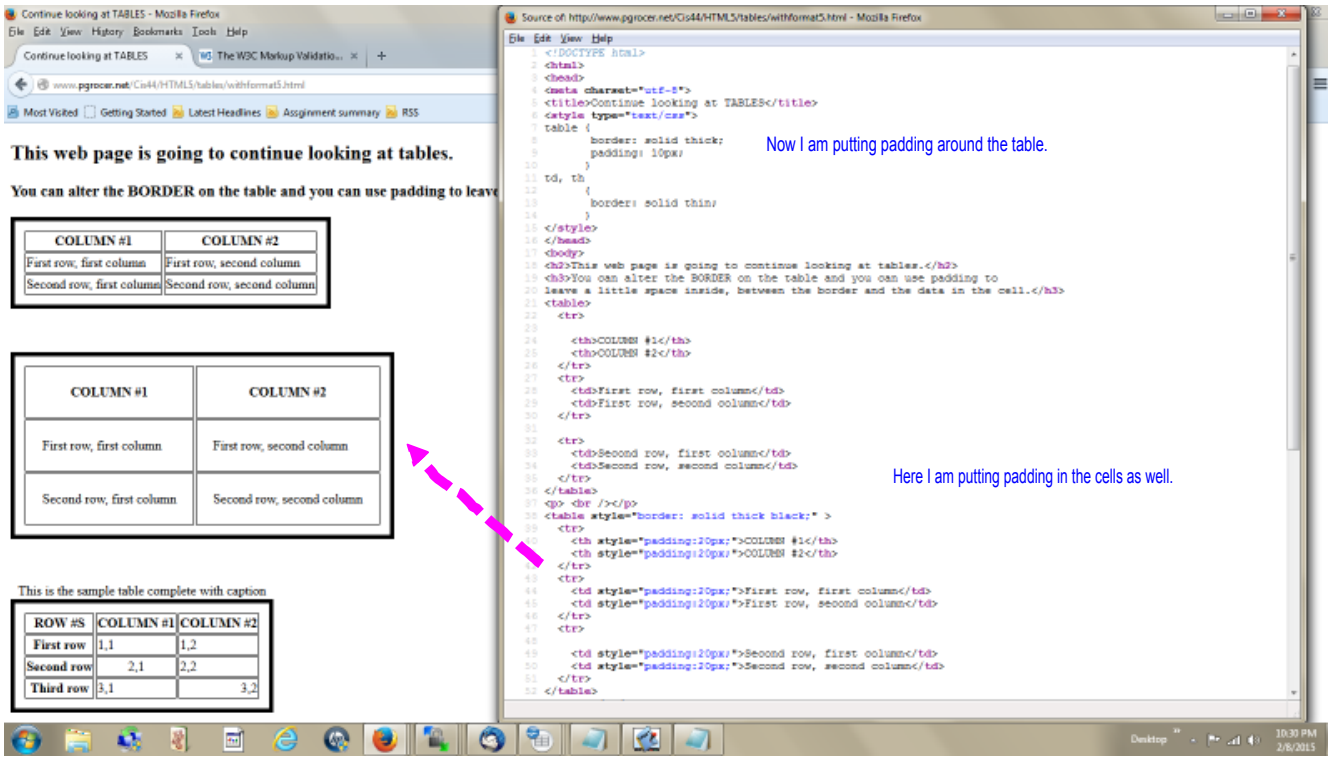
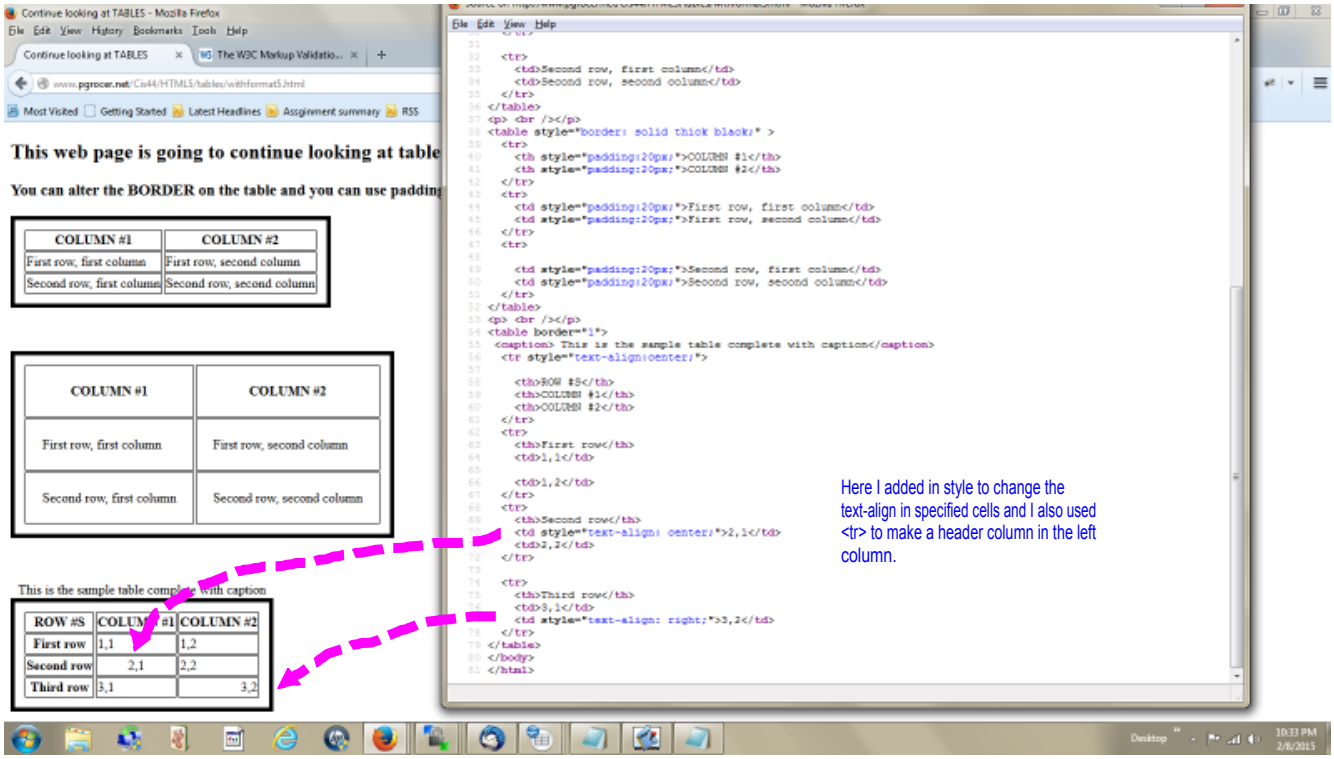
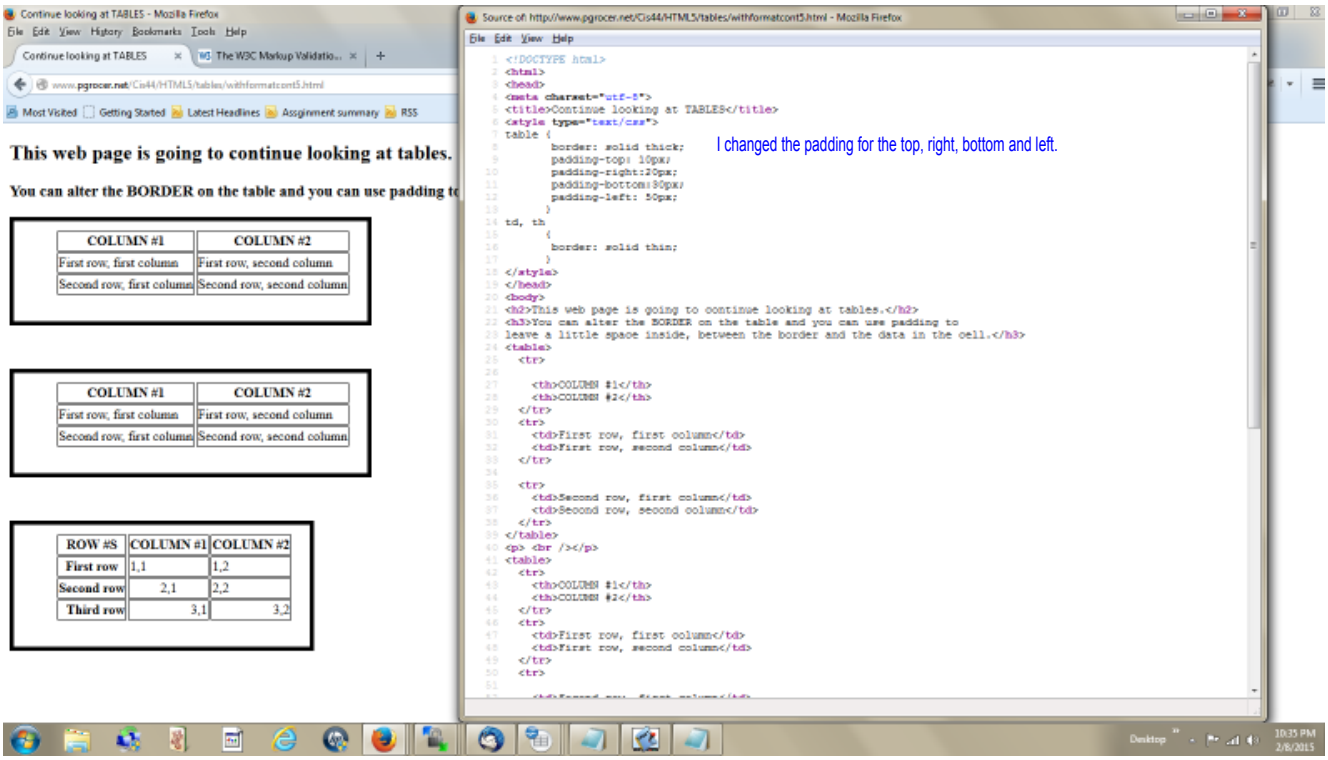
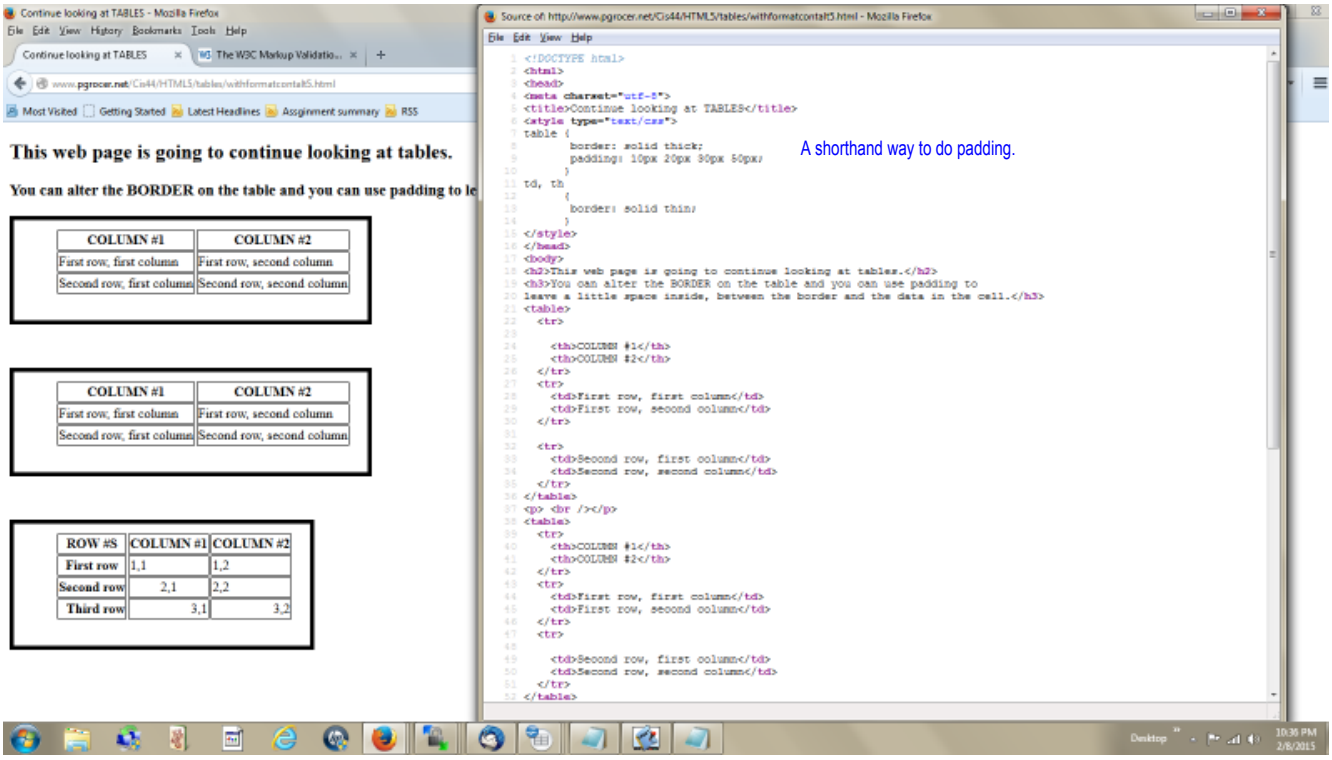

CSS Border - Mozilla Firefox
CSS Border
HTML CSS JAVASCRIPT SQL PHP jQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM
Example
p {
border-top-style: dotted;
border-right-style: solid;
border-bottom-style: dotted;
border-left-style: solid;
}
Try it yourself »
Be sure to continue at w3schools reading about some variations.
The example above can also be set with a single property:
Example
p {
border-style: dotted solid;
}
Try it yourself »
The border-style property can have from one to four values.
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;

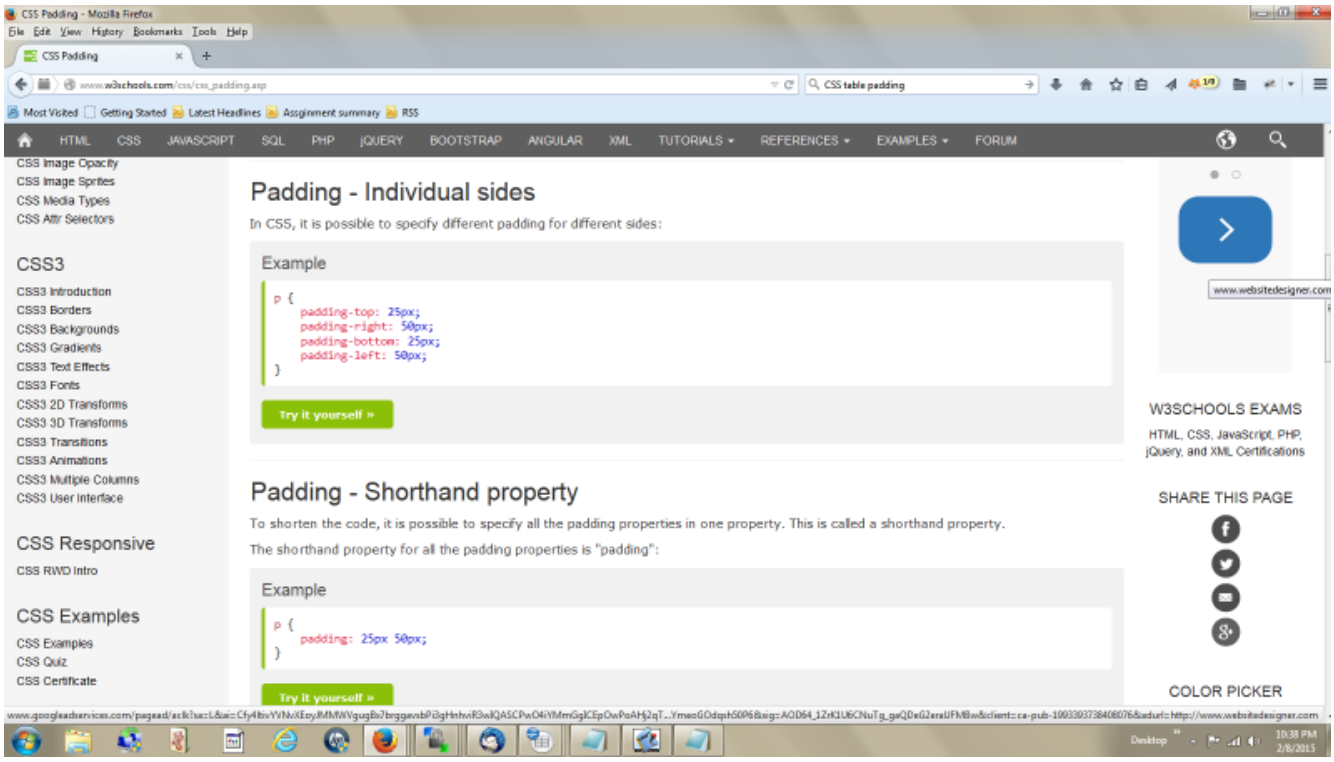

Continue looking at TABLES - Mozilla Firefox
This web page is going to continue looking at tables.
Now lets look at putting captions on the table and on the columns:
A caption on the whole table is done with the CAPTION command. Note that the captic
COLUMN #1
COLUMN #2
First row, first column
First row, second column
Second row, first column
Second row, second column
This is the sample table complete with caption
Source of: http://www.pgrocer.net/Cis44/HTML5/tables/withcaption5.html - Mozilla Firefox
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
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
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/Cis44/HTML5/tables/withformat5.html - Mozilla Firefox
Now I am putting padding around the table.
Here I am putting padding in the cells as well.


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
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
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.


Continue looking at TABLES - Mozilla Firefox
This web page is going to continue looking at tables.
You can alter the BORDER on the table and you can use padding t
COLUMN #1
COLUMN #2
First row, first column
First row, second column
Second row, first column
Second row, second column
ROW #S
First row
Second row
Third row
1,1
1,2
2,1
2,2
3,1
3,2
Source of: http://www.pgrocer.net/Cis44/HTML5/tables/withformatcont5.html - Mozilla Firefox
I changed the padding for the top, right, bottom and left.


Continue looking at TABLES - Mozilla Firefox
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
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/Cis44/HTML5/tables/withformatcontalt5.html - Mozilla Firefox
A shorthand way to do padding.


CSS Padding - Mozilla Firefox
CSS table padding
HTML CSS JAVASCRIPT SQL PHP jQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM
CSS Image Opacity
CSS Image Sprites
CSS Media Types
CSS Attr Selectors
CSS3
CSS3 Introduction
CSS3 Borders
CSS3 Backgrounds
CSS3 Gradients
CSS3 Text Effects
CSS3 Fonts
CSS3 2D Transforms
CSS3 3D Transforms
CSS3 Transitions
CSS3 Animations
CSS3 Multiple Columns
CSS3 User Interface
CSS Responsive
CSS RWD Intro
CSS Examples
CSS Examples
CSS Quiz
CSS Certificate
Padding - Individual sides
In CSS, it is possible to specify different padding for different sides:
Example
p {
padding-top: 25px;
padding-right: 50px;
padding-bottom: 25px;
padding-left: 50px;
}
Try it yourself »
Padding - Shorthand property
To shorten the code, it is possible to specify all the padding properties in one property. This is called a shorthand property.
The shorthand property for all the padding properties is "padding":
Example
p {
padding: 25px 50px;
}
Try it yourself »
www.websitedesigner.com
W3SCHOOLS EXAMS
HTML, CSS, JavaScript, PHP, jQuery, and XML Certifications
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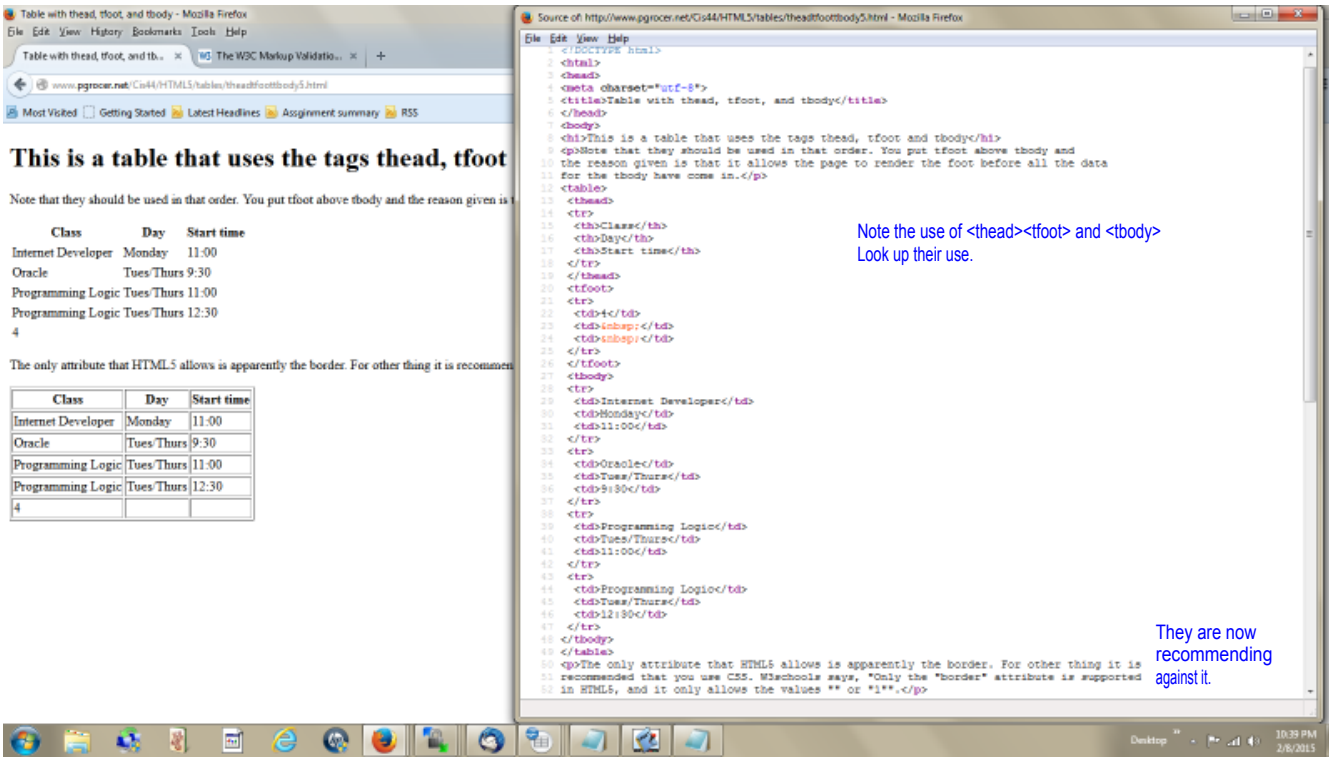
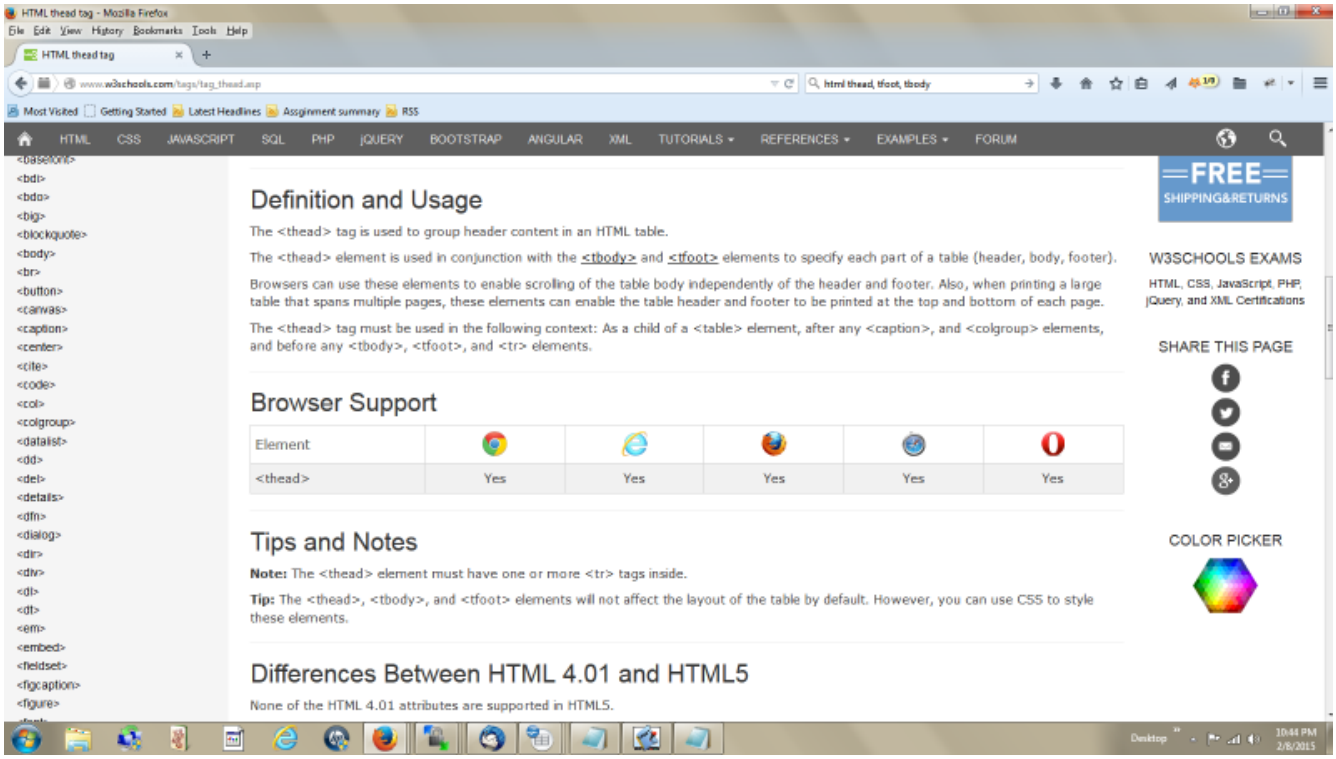


Table with thead, tfoot, and tbody - Mozilla Firefox
This is a table that uses the tags thead, tfoot
Note that they should be used in that order. You put tfoot above tbody and the reason given is
Class Day Start time
Internet Developer Monday 11:00
Oracle Tues/Thurs 9:30
Programming Logic Tues/Thurs 11:00
Programming Logic Tues/Thurs 12:30
4
The only attribute that HTML5 allows is apparently the border. For other thing it is recommen
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
Source of: http://www.pgrocer.net/Cis44/HTML5/tables/theadtfoottbody5.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>
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.
<table>
<thead>
<tr>
<th>Class</th>
<th>Day</th>
<th>Start time</th>
</tr>
</thead>
<tfoot>
<tr>
<td>4</td>
<td> </td>
<td> </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>
</tbody>
</table>
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"".
Note the use of <thead><tfoot> and <tbody>
Look up their use.
They are now recommending against it.


HTML thead tag - Mozilla Firefox
HTML CSS JAVASCRIPT SQL PHP jQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM
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
<thead>
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.
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SHIPPING&RETURNS
W3SCHOOLS EXAMS
HTML, CSS, JavaScript, PHP, jQuery, and XML Certifications
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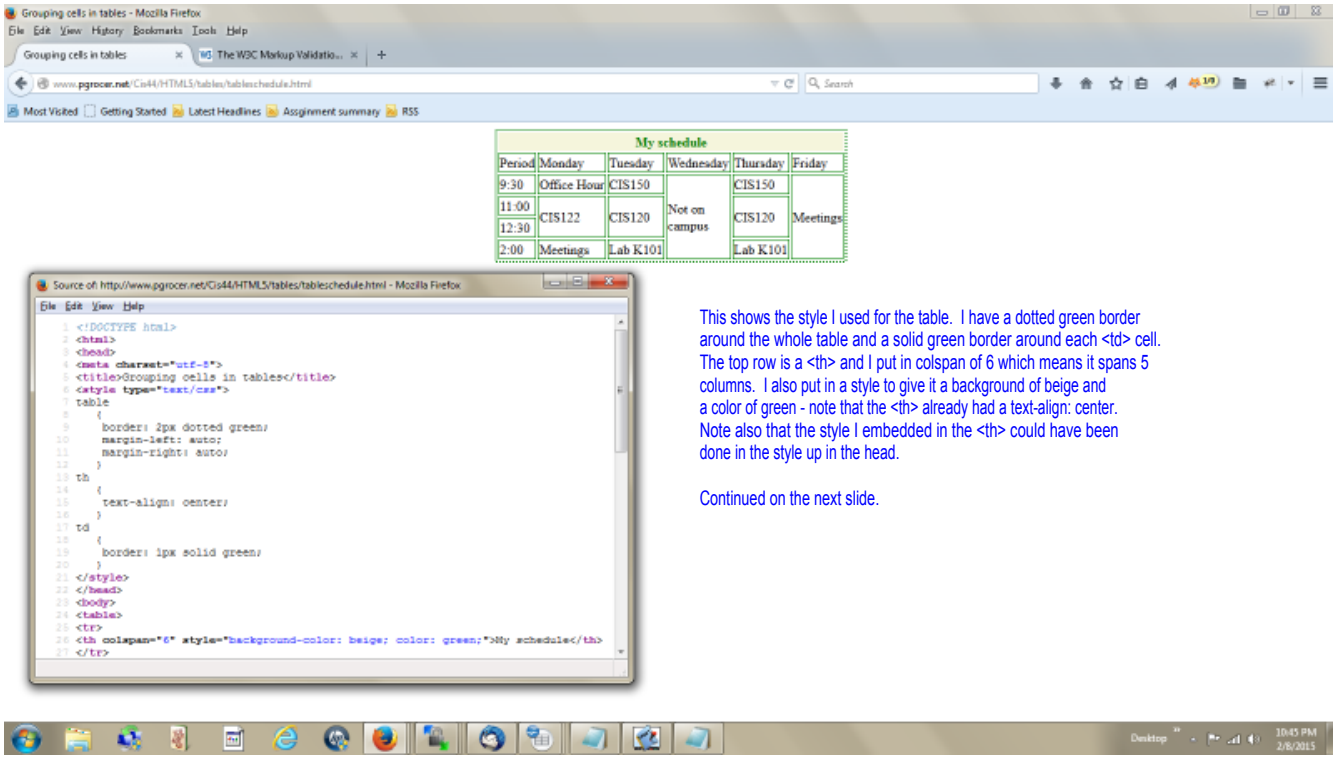
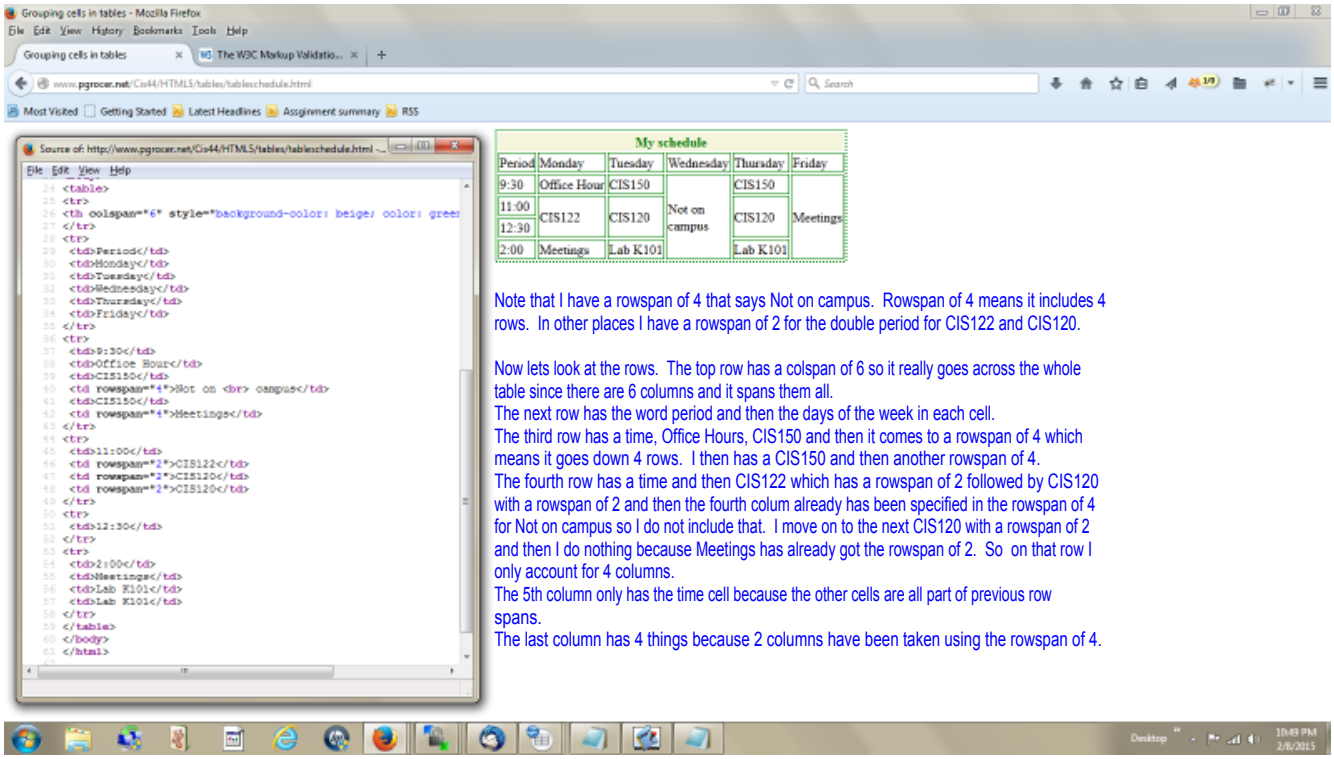


This shows the style I used for the table. I have a dotted green border around the whole table and a solid green border around each <td> cell. The top row is a <th> and I put in colspan of 6 which means it spans 5 columns. I also put in a style to give it a background of beige and a color of green - 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.



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 colum 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.