

# **HTML 5 Tabular Data**

**HTML**



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# <table>



- Defines an HTML table.
- Differences Between HTML 4.01 and HTML5
  - HTML5 only supports the **border** attribute, and its value can be **1** or **" "**.

```
1  □ <table border="1">
2  □ <tr>
3    <th>Month</th>
4    <th>Savings</th>
5  </tr>
6  □ <tr>
7    <td>January</td>
8    <td>$100</td>
9  </tr>
10 </table>
```

# <table> (Cont.)

## ■ Attributes

- **align, bgcolor, cellpadding, cellspacing, frame, rules, summary, width** is *NOT* supported in HTML5.

- **border**



- Specifies whether the table cells should have borders or not.
- 1 | ""



## <caption>

- Defines a table caption.
- Must be inserted immediately after the <table> tag.
- Differences Between HTML 4.01 and HTML5
  - The **align** attribute is removed from HTML5.

```
1 <table border="1">
2   <caption>Monthly savings</caption>
3   <tr>
4     <th>Month</th>
5     <th>Savings</th>
6   </tr>
7   <tr>
8     <td>January</td>
9     <td>$100</td>
10   </tr>
11   <tr>
12     <td>February</td>
13     <td>$50</td>
14   </tr>
15 </table>
```

Month	Savings
January	\$100
February	\$50

## <colgroup>



- Specifies a group of one or more columns in a table for formatting.
- Is useful for applying styles to entire columns, instead of repeating the styles for each cell, for each row.
- Must be a child of a <table> element, after any <caption> elements and before any <thead>, <tbody>, <tfoot>, and <tr> elements.

# <colgroup> (Cont.)

```
1 <table border="1">
2   <colgroup>
3     <col span="2" style="background-color:red">
4     <col style="background-color:yellow">
5   </colgroup>
6   <tr>
7     <th>ISBN</th>
8     <th>Title</th>
9     <th>Price</th>
10    </tr>
11    <tr>
12      <td>3476896</td>
13      <td>My first HTML</td>
14      <td>$53</td>
15    </tr>
16    <tr>
17      <td>5869207</td>
18      <td>My first CSS</td>
19      <td>$49</td>
20    </tr>
21  </table>
```

ISBN	Title	Price
3476896	My first HTML	\$53
5869207	My first CSS	\$49

# <colgroup> (Cont.)

## ■ Attributes

- **span**



- Specifies the number of columns a column group should span.

```
1  <table border="1">
2    <colgroup span="2" style="background:red"></colgroup>
3    <tr>
4      <th>ISBN</th>
5      <th>Title</th>
6      <th>Price</th>
7    </tr>
8    <tr>
9      <td>3476896</td>
10     <td>My first HTML</td>
11     <td>$53</td>
12   </tr>
13   <tr>
14     <td>5869207</td>
15     <td>My first CSS</td>
16     <td>$49</td>
17   </tr>
18 </table>
```

ISBN	Title	Price
3476896	My first HTML	\$53
5869207	My first CSS	\$49

## <col>



- Specifies column properties for each column within a <colgroup> element.

```
1  <table border="1">
2  <colgroup>
3  <col span="2" style="background-color:red">
4  <col style="background-color:yellow">
5  </colgroup>
6  <tr>
7  <th>ISBN</th>
8  <th>Title</th>
9  <th>Price</th>
10 </tr>
11 <tr>
12 <td>3476896</td>
13 <td>My first HTML</td>
14 <td>$53</td>
15 </tr>
16 <tr>
17 <td>5869207</td>
18 <td>My first CSS</td>
19 <td>$49</td>
20 </tr>
21 </table>
```

ISBN	Title	Price
3476896	My first HTML	\$53
5869207	My first CSS	\$49

# <col> (Cont.)

## ■ Attributes

- **span**

- Specifies the number of columns a <col> element should span.

```
1  <colgroup>
2    <col span="2" style="background-color:red" />
3    <col style="background-color:yellow" />
4  </colgroup>
```

## <tbody>



- Is used to group the body content in an HTML table.
- Differences Between HTML 4.01 and HTML5
  - None of the HTML 4.01 attributes are supported in HTML5.

# <tbody> (Cont.)

```
1 <style type="text/css">
2   thead {color:green;}
3   tbody {color:blue;}
4   tfoot {color:red;}
5 </style>
6 </head>
7 <body>
8 <table border="1">
9   <thead>
10    <tr>
11      <th>Month</th>
12      <th>Savings</th>
13    </tr>
14  </thead>
15  <tbody>
16    <tr>
17      <td>Sum</td>
18      <td>$180</td>
19    </tr>
20  </tbody>
21  <tfoot>
22    <tr>
23      <td>January</td>
24      <td>$100</td>
25    </tr>
26    <tr>
27      <td>February</td>
28      <td>$80</td>
29    </tr>
30  </tfoot>
31 </table>
32
33 <p><b>Tip:</b> 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.</p>
```

Month	Savings
January	\$100
February	\$80
Sum	\$180

**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.

## <thead>



- Is used to group header content in an HTML table.
- Differences Between HTML 4.01 and HTML5
  - None of the HTML 4.01 attributes are supported in HTML5.

## <tfoot>



- Is used to group footer content in an HTML table.
- Differences Between HTML 4.01 and HTML5
  - None of the HTML 4.01 attributes are supported in HTML5.

<tr>



- Defines a row in an HTML table.
- Contains one or more <th> or <td> elements.
- Differences Between HTML 4.01 and HTML5
  - None of the HTML 4.01 attributes are supported in HTML5.

<td>



- Defines a standard cell in an HTML table.

- Attributes

- **abbr, align, axis, bgcolor, char, charoff, height, nowrap, scope, valign, width** is *NOT* supported in HTML5.

- **headers**     

- Specifies one or more header cells a cell is related to.

# <td> (Cont.)

## ■ Attributes

- **rowspan**

- Sets the number of rows a cell should span.



```
1 <table border="1">
2   <tr>
3     <th>Month</th>
4     <th>Savings</th>
5     <th>Savings for holiday!</th>
6   </tr>
7   <tr>
8     <td>January</td>
9     <td>$100</td>
10    <td rowspan="2">$50</td>
11  </tr>
12  <tr>
13    <td>February</td>
14    <td>$80</td>
15  </tr>
16 </table>
```

Month	Savings	Savings for holiday!
January	\$100	
February	\$80	\$50

## <th>



- Defines a header cell in an HTML table.
- Attributes
  - **abbr, align, axis, bgcolor, char, charoff, height, nowrap, valign, width** is *NOT* supported in HTML5.

# <th> (Cont.)

- Defines a header cell in an HTML table.

- Attributes

- **colspan**

- Specifies the number of columns a header cell should span



```
1 <table border="1">
2   <tr>
3     <th colspan="2">Monthly Savings</th>
4   </tr>
5   <tr>
6     <td>January</td>
7     <td>$100</td>
8   </tr>
9   <tr>
10    <td>February</td>
11    <td>$80</td>
12  </tr>
13 </table>
```

<b>Monthly Savings</b>	
January	\$100
February	\$80

# <th> (Cont.)

- Defines a header cell in an HTML table.

- Attributes

- **rowspan**



- Specifies the number of rows a header cell should span.

```
1 <table border="1">
2   <tr>
3     <th>Month</th>
4     <th>Savings</th>
5     <th rowspan="3">Savings for holiday!</th>
6   </tr>
7   <tr>
8     <td>January</td>
9     <td>$100</td>
10    </tr>
11   <tr>
12     <td>February</td>
13     <td>$80</td>
14   </tr>
15 </table>
```

Month	Savings	
January	\$100	Savings for holiday!
February	\$80	

# <th> (Cont.)

- Defines a header cell in an HTML table.
- Attributes

- **scope**



- Specifies whether a header cell is a header for a column, row, or group of columns or rows.
  - **col | colgroup | row | rowgroup**

```
1  <table border="1">
2  <tr>
3  <th></th>
4  <th scope="col">Month</th>
5  <th scope="col">Savings</th>
6  </tr>
7  <tr>
8  <td>1</td>
9  <td>January</td>
10 <td>$100</td>
11 </tr>
12 <tr>
13 <td>2</td>
14 <td>February</td>
15 <td>$80</td>
16 </tr>
17 </table>
```

	Month	Savings
1	January	\$100
2	February	\$80

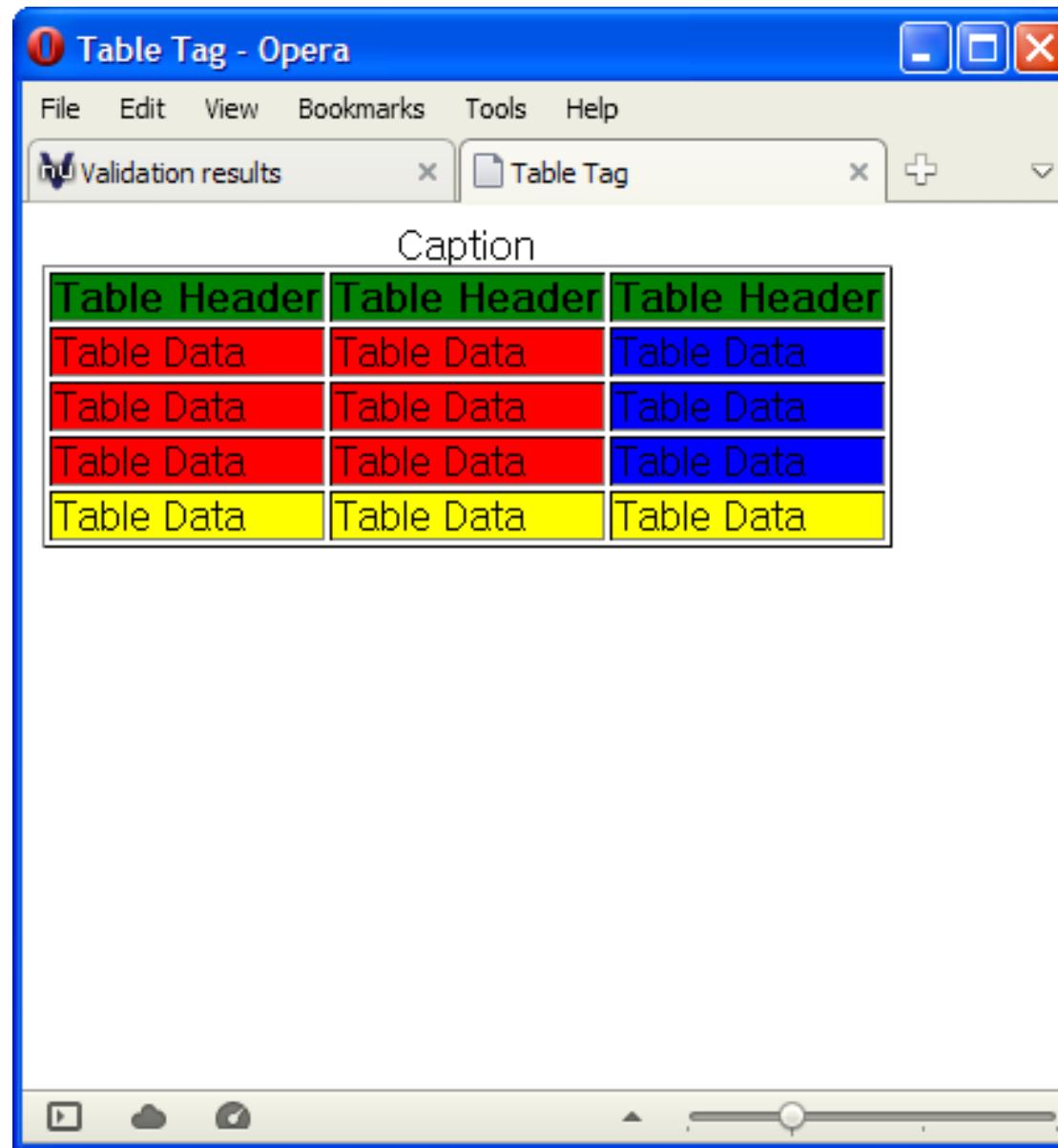
# Lab1 : Table Tag

- Web Browsers
  - IE10, Firefox, Google Chrome, Opera, Safari
- Text Editors
  - Notepad++, Editplus, etc...
- Files
  - table.html

# Lab1 : table.html

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Table Tag</title>
5  </head>
6  <body>
7      <table border="1">
8          <caption>Caption</caption>
9          <colgroup>
10             <col span="2" style="background: red" />
11             <col style="background: blue" />
12         </colgroup>
13         <thead style="background: green" >
14             <tr>
15                 <th>Table Header</th>
16                 <th>Table Header</th>
17                 <th>Table Header</th>
18             </tr>
19         </thead>
20         <tbody>
21             <tr>
22                 <td>Table Data</td>
23                 <td>Table Data</td>
24                 <td>Table Data</td>
25             </tr>
26             <tr>
27                 <td>Table Data</td>
28                 <td>Table Data</td>
29                 <td>Table Data</td>
30             </tr>
31     <tr>
32         <td>Table Data</td>
33         <td>Table Data</td>
34         <td>Table Data</td>
35     </tr>
36 </tbody>
37 <tfoot style="background: yellow" >
38     <tr>
39         <td>Table Data</td>
40         <td>Table Data</td>
41         <td>Table Data</td>
42     </tr>
43 </tfoot>
44 </table>
45 </body>
46 </html>
```

# Lab1 : Result



# Lab2 : Table Tag

- Web Browsers

- IE10, Firefox, Google Chrome, Opera, Safari

- Text Editors

- Notepad++, Editplus, etc...

- Files

- table1.html

# Lab2 : table1.html

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Table Tag</title>
5  </head>
6  <body>
7      <table border="1" >
8          <tr>
9              <th colspan="3">Table Data</th>
10             <th rowspan="3">Table Data</th>
11         </tr>
12         <tr>
13             <td>Table Data</td>
14             <td rowspan="2">Table Data</td>
15             <td>Table Data</td>
16         </tr>
17         <tr>
18             <td>Table Data</td>
19             <td>Table Data</td>
20         </tr>
21     </table>
22 </body>
23 </html>
```

# Lab2: Result

