

# Table Elements

Lesson Time: 20 Minutes

## EASILY SHOW COMPLEX INFORMATION.

Tables allow you to place content into a table, grid-like structure. In the old days of HTML, tables were often used as ways to position and structure the content on the page. Today, there are much better options for creating layouts, and tables are just used for displaying content.

The **<table>** element creates a new table.

The **<tr>** element creates a new row inside of the table

The **<td>** element creates a new cell on the row.

Optionally, the **<th>** element can use to identify the header columns of the table.

```

<body>
  <h1>Tables</h1>
  <table>
    <tr>
      <th>Firstname</th>
      <th>Lastname</th>
      <th>Favorite Sport</th>
    </tr>
    <tr>
      <td>Marvin</td>
      <td>Jones</td>
      <td>Baseball</td>
    </tr>
    <tr>
      <td>Mary</td>
      <td>Ellis</td>
      <td>Football</td>
    </tr>
  </table>
</body>

```

Results:

# Tables

Firstname	Lastname	Favorite Sport
Marvin	Jones	Baseball
Mary	Ellis	Football

Tables are a good way to start understanding the width of individual elements. By default, elements the width of elements will grow to fit their content.

Firstname	Lastname	Favorite Sport
Marvin	Very large amount of content that is taking of alot of width on the page.	Baseball
Mary	Ellis	Football

In this example, we aren't specifying the width attribute anywhere in our table. The 2nd cell in the 2nd row has "grown" to fit the content. This makes the middle column much wider than our other two columns .

What happens if we force the width to be a fixed value. Let's set the width of the table element to 300 pixels. This means that table can not grow to be over 300px, and nothing inside of the table can grow beyond that either.

```
<table width="300px">
```

Now the table is not allowed to grow past 300 pixels in width, and all of the content inside the table is resized to fit. The cell with the large amount of content grows in height instead to fit within the table.

## Tables

Firstname	Lastname	Favorite Sport
Marvin	Very large amount of content that is taking of alot of width on the page.	Baseball
Mary	Ellis	Football

We cannot set the width property on the <tr> row element, but we can set it on a <th> cell column. Let's set the first column width to 150 pixels.

```

<body>
  <h1>Tables</h1>
  <table width="300px">
    <tr>
      <th width="150">Firstname</th>
      <th>Lastname</th>
      <th>Favorite Sport</th>

```

The first column is now set to 150x, half the width of our 300px table. Columns 2 and 3 are squeezed to fit into the remaining 150px left.

Firstname	Lastname	Favorite Sport
Marvin	Very large amount of content that is taking of alot of width on the page.	Baseball
Mary	Ellis	Football

Key Terms	
Lesson Files	
Additional Resources	<a href="https://www.w3schools.com/html/html_tables.asp">https://www.w3schools.com/html/html_tables.asp</a>
Further Learning	

# Lab: Tables

Lesson Time: 40 Minutes

In this lesson, re-create the 2 tables shown below in a new webpage. Don't worry about trying styling the table with borders just yet. Set the width of the first table to 500 pixels and the width of the second table to 350 px.

Table 1

Fruit	Price	Color
Grapes	2.99	Purple
Apples	1.99	Red

Table 2

City	Country
Paris	France
London	United Kingdom
Rio de Janeiro	Brazil
Hong Kong	China

Key Terms	
Lesson Files	
Additional Resources	
Further Learning	