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HTML Tables

Difficulty Level : Easy • Last Updated : 27 Jul, 2022

In this article, we will know the **HTML Table**, various ways to implement it, & will also understand its usage through the examples. HTML Table is an arrangement of data in rows and columns, or possibly in a more complex structure. Tables are widely used in communication, research, and data analysis. Tables are useful for various tasks such as presenting text information and numerical data. It can be used to compare two or more items in the tabular form layout. Tables are used to create databases.

Defining Tables in HTML: An HTML table is defined with the "table" tag. Each table row is defined with the "tr" tag. A table header is defined with the "th" tag. By default, table headings are bold and centered. A table data/cell is defined with the "td" tag.

Example 1: In this example, we are creating a simple table in HTML using a table tag.

```
<!DOCTYPE html>
<html>
<body>
  Book Name
       Author Name
       Genre
    The Book Thief
       Markus Zusak
       Historical Fiction
    The Cruel Prince
```

Login

Register

Output:

Book Name Author Name Genre
The Book Thief Markus Zusak Historical Fiction
The Cruel Prince Holly Black Fantasy
The Silent Patient Alex Michaelides Psychological Fiction

HTML Table

Example 2: This example explains the use of the HTML Table.

```
<!DOCTYPE html>
html>
body>
```

```
Practice
 Read
     Discuss
          Courses
                     Video
      CHIZAGEN/ CHIZ
    Priya
      Sharma
      24
    Arun
      Singh
      32
    Sam
      Watson
      41
    </body>
</html>
```

Output:

Firstnan	ie Lastnam	e Age
Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

Simple HTML Table

Accepted Attributes:

- cellspacing Attribute
- rules Attribute

Adding a border to an HTML Table: A border is set using the CSS border property. If you do not specify a border for the table, it will be displayed without borders.

```
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border: lpx solid black;

}
```

Example 3: This example explains the addition of the border to the HTML Table.

```
<!DOCTYPE html>
<html>
<head>
  <style>
  table,
  th,
  td {
    border: 1px solid black;
  </style>
</head>
<body>
  Firstname
       Lastname
       Age
    Priya
       Sharma
       24
    Arun
```

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	\ Lu/Jaiii			
	< td >Wat	son <b td>		
	< td >41<	/td>		
<,	/tr>			
<td>le></td> <td></td> <td></td> <td></td>	le>			
<b html>				

Output:

Firstname	Lastname	Age	
Priya	Sharma	24	
Arun	Singh	32	
Sam	Watson	41	

HTML Table with border

Adding Collapsed Borders in an HTML Table: For borders to collapse into one border, add the CSS border-collapse property.

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

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Example 4: This example describes the addition of Collapsed Borders in HTML.

```
<!DOCTYPE html>
<html>
<head>
  <style>
  table,
  th,
  td {
    border: 1px solid black;
    border-collapse: collapse;
  </style>
</head>
<body>
  >
       Firstname
       Lastname
       Age
    Priya
       Sharma
       24
    Arun
       Singh
       32
    Sam
```

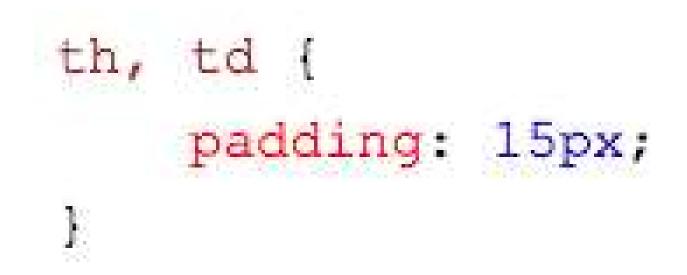
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· /bdwl				
<b html>				

Output:

Firstname	Lastname	Age
Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

HTML Table with Collapsed Borders

Adding Cell Padding in an HTML Table: Cell padding specifies the space between the cell content and its borders. If we do not specify a padding, the table cells will be displayed without padding.



Example 5: This example describes the addition of Table cell padding in HTML.



```
Discuss
            Courses
                  Practice
                        Video
 Read
   DOLUCE . Thy SOTTH DINCK
    border-collapse: collapse;
  }
  th,
  td {
    padding: 20px;
  }
  </style>
</head>
<body>
  Firstname
       Lastname
       Age
    Priya
       Sharma
       24
    Arun
       Singh
      32
    Sam
       Watson
       41
    </body>
</html>
```

Output:



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Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

Adding Table cell padding

Adding Left Align Headings in an HTML Table: By default, the table headings are bold and centered. To left-align the table headings, we must use the CSS text-align property.



Example 6: This example explains the <u>text-align property</u> where the text is aligned to the left.

```
<html>
<head>
<style>
table,
th,
td {
```

```
Discuss
           Courses
                 Practice
                       Video
 Read
 LII,
  td {
    padding: 20px;
  th {
    text-align: left;
  </style>
</head>
<body>
  Firstname
      Lastname
      Age
    Priya
      Sharma
      24
    Arun
      Singh
      32
    </tr>
    Sam
      Watson
      41
    </body>
</html>
```

Output:



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Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

text-align Property

Adding Border Spacing in an HTML Table: Border spacing specifies the space between the cells. To set the border-spacing for a table, we must use the CSS border-spacing property.

```
table {
    border-spacing: 5px;
}
```

Example 7: This example explains the <u>border space</u> property to make the space between the Table cells.

```
<html>
<head>
<style>
table,
th,
```

```
Discuss
           Courses
                Practice
                      Video
 Read
 table (
    border-spacing: 5px;
  </style>
</head>
<body>
  >
      >Firstname
      Lastname
      Age
    Priya
      Sharma
      24
    Arun
      Singh
      32
    Sam
      Watson
      41
    </tr>
  </body>
</html>
```

Output:

Firstname	Lastname	Age
Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

Border Spacing Property

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HTML

```
<!DOCTYPE html>
<html>
<head>
  <style>
  table,
  th,
  td {
     border: 1px solid black;
     border-collapse: collapse;
  }
  th,
  td {
     padding: 5px;
     text-align: left;
  </style>
</head>
<body>
   <h2>Cell that spans two columns:</h2>
  >
         Name
         Telephone
      Vikas Rawat
         9125577854
         8565557785
      </body>
</html>
```

itput:

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Vikas Rav	wat		9125577854		8565557785	

colspan attribute

Adding Cells that span many rows in HTML Tables: To make a cell span more than one row, we must use the rowspan attribute.

Example 9: This example describes the use of the <u>rowspan attribute</u> in HTML.

```
<!DOCTYPE html>
<html>
<head>
  <style>
  table,
  th,
  td {
     border: 1px solid black;
     border-collapse: collapse;
  th,
  td {
     padding: 5px;
     text-align: left;
  </style>
</head>
<body>
   <h2>Cell that spans two rows:</h2>
   Name:
         Vikas Rawat
      Telephone:
         9125577854
```

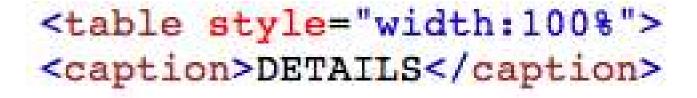
Output:

Cell that spans two rows:

Name:	Vikas Rawat	
Telephone:	9125577854	
	8565557785	

Use of rowspan attribute

Adding a <u>Caption</u> in an HTML Table: To add a caption to a table, we must use the "caption" tag.



Example 10: This example describes the HTML Table caption by specifying the CSS properties for setting its width.



```
Discuss
             Courses
                    Practice
                          Video
 Read
 LII,
  td {
     border: 1px solid black;
     border-collapse: collapse;
  }
  th,
  td {
     padding: 20px;
  th {
     text-align: left;
  </style>
</head>
<body>
  <caption>DETAILS</caption>
     Firstname
       Lastname
       Age
     >
       Priya
       Sharma
       24
     Arun
       Singh
       32
     Sam
       Watson
       41
     </body>
</html>
```

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Firstname	Lastname	Age	
Priya	Sharma	24	
Arun	Singh	32	
Sam	Watson	41	

Adding the caption using the <caption> tag

Adding a Background Colour to the Table: A color can be added as a background in an HTML table using the "background-color" option.

```
table#t01 {
   width: 100%;
   background-color: #f2f2d1;
}
```

Example 11: This example describes the addition of the Table background color in HTML.

```
Discuss
           Courses
                 Practice
                       Video
 Read
  th,
  td {
    padding: 5px;
    text-align: left;
  }
  table#t01 {
    width: 100%;
    background-color: #f2f2d1;
  }
  </style>
</head>
<body>
  Firstname
      Lastname
      Age
    Priya
      Sharma
      24
    Arun
      Singh
      32
    Sam
      Watson
      41
    </tr>
  <br />
  <br />
  Firstname
      Lastname
      Age
```

```
Practice
  Read
         Discuss
                Courses
                                Video
      Arun
         Singh
         32
      Mega Job-a-thon
            DSA Data Structures
                             Algorithms
                                     Interview Preparation
                                                     Data Science
                                                               To
         41
      </body>
</html>
```

Output:

Firstname	Lastname	Age
Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

Firstname	Lastname	Age
Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

Adding Table Background color using CSS properties

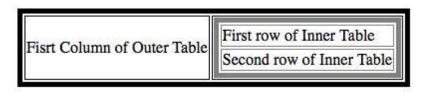
Creating Nested Tables: Nesting tables simply means making a Table inside another Table. Nesting tables can lead to complex tables layouts, which are visually interesting and have the potential of introducing errors.

Example 12: This example describes the Nested of HTML Table.



```
Courses
                  Practice
                        Video
 Read
      Discuss
       First Column of Outer Table 
         First row of Inner Table 
            Second row of Inner Table 
         </body>
</html>
```

Output:



Nested HTML Table

Supported Browsers:

- Google Chrome 1 and above
- Edge 12 and above
- Firefox 1 and above
- Internet Explorer
- Safari
- Opera

HTML is the foundation of webpages, is used for webpage development by structuring websites and web apps. You can learn HTML from the ground up by following this <u>HTML</u> <u>torial</u> and <u>HTML Examples</u>.

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