

* Description List (List of terms with descriptions)

- ⇒ A description list is a list of terms, with descriptions for each term.
- ⇒ The `<dl>` tag defines the description list, the `<dt>` tag defines the term (name), and the `<dd>` tag describes each term.

Ex - `<dl>`

```
<dt> coffee <dd> <dt> coffee <dd> - Black hot drink  
<dt> Milk <dd> <dt> Milk <dd> - White cold drink
```

Output -

coffee

<dt>

- Black hot drink

Milk

- White cold drink.

HTML Responsive Web Design

- * Responsive web design is about creating web pages that look good on all devices!
- * A responsive web design will automatically adjust for different screen sizes and viewpoints.

Ex - `<meta name="viewport" content="width=device-width, initial-scale=1.0">`

HTML Block and Inline Elements

Every HTML element has a display value, depending on what type of element it is.

* Block-level Elements

A block-level element always starts on a new line, and the browsers automatically add some space (a margin) before and after the element.

Ex - `<p> Dot Batch </p>`
`<div> Dot Batch </div>`

Output

```
<h1> -> Hello # Dot Batch  
Dot Batch  
<h1> > H1 <h1>
```

Some block-level elements

`<address>`

`<article>`

`<aside>`

`<blockquote>`

`<dl>`

`<dt>`

`<fieldset>`

`<figure>`

`<footer>`

`<form>`

`<h1>-<h6>`

`<table>`

* Inline Elements

⇒ An inline element does not start on a new line.

⇒ An inline element only takes up as much width as necessary.

Ex - A ` good boy`

Output

A good boy.

Some inline elements

`<a>` `<abbr>` `` `<bdo>` `<big>` `
`
`<input>` `<cite>` `<code>` `` `<i>` ``

The <div> Element

- ⇒ The <div> element is often used as a container for other HTML elements.
- ⇒ The <div> element has no required attributes, but style, class and id are common.

Ex - <div style="background-color: pink;">
 <h2> London </h2>
 <p> London is a city. </p>
 </div>

Output

London
London is a city.

The Element

The element is an inline container used to mark up a part of a text, or a part of a document.

The element has no required attributes, but style, class and id are common.

Ex - <p> I am green </p>

Output I am green

HTML Tables

HTML tables allow web developers to arrange data into rows and columns.

HTML Table Tags

Tag	Description
<table>	Defines a table
<th>	Defines a header cell in a table
<tr>	Defines a row in a table
<td>	Defines a cell in a table
<caption>	Defines a table caption
<thead>	Groups a header content in a table.
<tbody>	Groups a body content in a table
<tfoot>	Groups a footer content in a table

A Simple HTML Table

```
<style>
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
}
</style>
<table>
    <tr>
        <th> Company </th>
        <th> Contact </th>
    </tr>
    <tr>
        <td> codehelp </td>
        <td> Babbar </td>
    </tr>
</table>
```

<tr>

<td> Notes Co. </td>

<td> Rishabh </td>

</tr>

</table>

Output

Company	Contact
Codehelp	Babbar
Notes Co.	Rishabh

Table Cells

Each table cell is defined by a <td> and a </td> tag.

Example

<table>

<tr>

<td> Rishabh </td>

<td> Babbar </td>

<td> Lakshy </td>

</tr>

</table>

Output

Rishabh	Babbar	Lakshy
---------	--------	--------

Default Table

Collapsed Table Borders

To avoid having double borders like in the example above, set the CSS **border-collapse** property to **collapse**.

Example -

```
table { border-collapse: collapse; }
```

```
table, th, td {
```

```
    border: 1px solid black;
```

```
    border-collapse: collapse;
```

```
}
```

Output -

Dotted Table Borders

With the **border-style** property, you can set the appearance of the border.

The following values are allowed:

dotted

dashed

solid

double

hidden

groove

ridge

inset

Border Color

With the **border-color** property, you can set the color of the border.

Ex - `table, th, td {`

`border-color: red;`

`border-collapse: collapse;`

`}`

Output

Round Table Border

With the **border-radius** property, the borders get rounded corners.

Ex - `table, th, td {`

`border: 1px solid black;`

`border-radius: 10px;`

`}`

Output

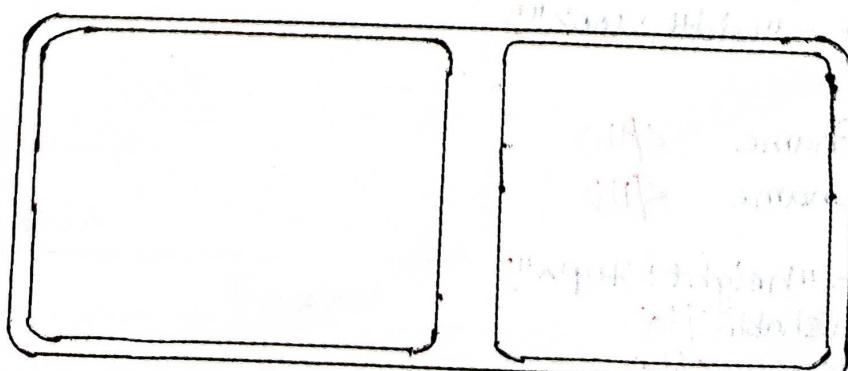


Table Color

You can set the background color of each cell or of whole table.

Ex- `th, td {`

`background-color: cyan;`

Output

HTML Table Sizes

HTML table can have different sizes for each row, column or entire table.

* HTML Table Row Height

To set the height of a specific row, add the `style` attribute on a table row element.

Code `<table style="width:100%">`

```
<tr>
  <th> Fname </th>
  <th> Lname </th>
</tr>
<tr style="height: 70px">
  <td> Rishabh </td>
  <td> K. </td>
</tr>
<tr>
  <td> Love </td>
  <td> B </td>
</table></tr>
```

Output

Fname	Lname
Rishabh	K
Love	B

* HTML Table Column Width

To set the size of a specific column, add the `style` attribute on a `<th>` or `<td>` element.

Code

```

<table style="width:100%;">  

  <tr>  

    <th style="width:70%;">Fname </th>  

    <th> Lname </th>  

  </tr>  

  <tr>  

    <td> Rishabh </td>  

    <td> K </td>  

  </tr>  

  <tr>  

    <td> Love </td>  

    <td> B </td>  

  </tr>
</table>

```

Output

Fname	Lname
Rishabh	K
Love	B

Padding & Spacing

HTML table can adjust the padding inside the cell, and also space between the cells.

* Cell Padding

⇒ It is the space b/w the cell edge and cell content.

⇒ By default the padding is set to 0.

Ex - `th, td {
 padding: 5px;
}`

Output	
	XYZ

* Cell Spacing

⇒ It is the space b/w each cell.

⇒ By default the space is set to 2px.

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

Output	
	Cell 1 Cell 2 Cell 3 Cell 4

Colspan & Rowspan

* Colspan

To make a cell span over a multiple column, use `colspan` attribute.

Ex

```

<table style="width:50%;">
  <tr>
    <th> colspan="2" > Name </th>
    <th> Age </th>
  </tr>
  <tr>
    <td> Love </td>
    <td> Babbar </td>
  <tr>
    <td> 25 </td>
  </tr>
</table>

```

Output

Name	Age
Love	Babbar
25	

* Rowspan

To make a cell span over multiple rows, use the rowspan attribute.

Ex <table style="width:50%;">

```

  <tr>
    <th> Name </th>
    <td> Rishabh </td>
  </tr>
  <tr>
    <th rowspan="2" > Phone </th>
    <td> 100 </td>
  </tr>
  <tr>
    <td> 112 </td>
  </tr>

```

</table>

Output

Name	Rishabh
Phone	100
	112