HTML Table

**HTML table tag** is used to display data in tabular form (row \* column). There can be many columns in a row.

We can create a table to display data in tabular form, using <table> element, with the help of <tr> , <td>, and <th> elements.

In Each table, table row is defined by <tr> tag, table header is defined by <th>, and table data is defined by <td> tags.

HTML tables are used to manage the layout of the page e.g. header section, navigation bar, body content, footer section etc. But it is recommended to use div tag over table to manage the layout of the page .

## **HTML Table Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| <table> | It defines a table. |
| <tr> | It defines a row in a table. |
| <th> | It defines a header cell in a table. |
| <td> | It defines a cell in a table. |
| <caption> | It defines the table caption. |
| <colgroup> | It specifies a group of one or more columns in a table for formatting. |
| <col> | It is used with <colgroup> element to specify column properties for each column. |
| <tbody> | It is used to group the body content in a table. |
| <thead> | It is used to group the header content in a table. |
| <tfooter> | It is used to group the footer content in a table. |

## **HTML Table Example**

Let's see the example of HTML table tag. It output is shown abo

1. **<table>**
2. **<tr><th>**First\_Name**</th><th>**Last\_Name**</th><th>**Marks**</th></tr>**
3. **<tr><td>**Sonoo**</td><td>**Jaiswal**</td><td>**60**</td></tr>**
4. **<tr><td>**James**</td><td>**William**</td><td>**80**</td></tr>**
5. **<tr><td>**Swati**</td><td>**Sironi**</td><td>**82**</td></tr>**
6. **<tr><td>**Chetna**</td><td>**Singh**</td><td>**72**</td></tr>**
7. **</table>**

## **HTML Table with Border**

There are two ways to specify border for HTML tables.

1. By border attribute of table in HTML
2. By border property in CSS

## **1) HTML Border attribute**

You can use border attribute of table tag in HTML to specify border. But it is not recommended now.

1. **<table** border="1"**>**
2. **<tr><th>**First\_Name**</th><th>**Last\_Name**</th><th>**Marks**</th></tr>**
3. **<tr><td>**Sonoo**</td><td>**Jaiswal**</td><td>**60**</td></tr>**
4. **<tr><td>**James**</td><td>**William**</td><td>**80**</td></tr>**
5. **<tr><td>**Swati**</td><td>**Sironi**</td><td>**82**</td></tr>**
6. **<tr><td>**Chetna**</td><td>**Singh**</td><td>**72**</td></tr>**
7. **</table>**

## **2) CSS Border property**

It is now recommended to use border property of CSS to specify border in table.

1. **<style>**
2. table, th, td {
3. border: 2px solid black;
4. border-collapse: collapse;
5. }
6. **</style>**

## **HTML Table with cell padding**

You can specify padding for table header and table data by two ways:

1. By cellpadding attribute of table in HTML
2. By padding property in CSS

The cellpadding attribute of HTML table tag is obselete now. It is recommended to use CSS. So let's see the code of CSS.

1. **<style>**
2. table, th, td {
3. border: 1px solid pink;
4. border-collapse: collapse;
5. }
6. th, td {
7. padding: 10px;
8. }
9. **</style>**

## **HTML Table with colspan**

It will divide one cell/row into multiple columns, and the number of columns depend on the value of colspan attribute.

Let's see the example that span two columns.

CSS code:

1. **<style>**
2. table, th, td {
3. border: 1px solid black;
4. border-collapse: collapse;
5. }
6. th, td {
7. padding: 5px;
8. }
9. **</style>**

HTML code:

1. **<table** style="width:100%"**>**
2. **<tr>**
3. **<th>**Name**</th>**
4. **<th** colspan="2"**>**Mobile No.**</th>**
5. **</tr>**
6. **<tr>**
7. **<td>**Ajeet Maurya**</td>**
8. **<td>**7503520801**</td>**
9. **<td>**9555879135**</td>**
10. **</tr>**
11. **</table>**

# HTML Lists

HTML Lists are used to specify lists of information. All lists may contain one or more list elements. There are three different types of HTML lists:

1. Ordered List or Numbered List (ol)
2. Unordered List or Bulleted List (ul)
3. Description List or Definition List (dl)

## **HTML Ordered List or Numbered List**

In the ordered HTML lists, all the list items are marked with numbers by default. It is known as numbered list also. The ordered list starts with <ol> tag and the list items start with <li> tag.

1. **<ol>**
2. **<li>**Aries**</li>**
3. **<li>**Bingo**</li>**
4. **<li>**Leo**</li>**
5. **<li>**Oracle**</li>**
6. **</ol>**

## **HTML Unordered List or Bulleted List**

In HTML Unordered list, all the list items are marked with bullets. It is also known as bulleted list also. The Unordered list starts with <ul> tag and list items start with the <li> tag.

1. **<ul>**
2. **<li>**Aries**</li>**
3. **<li>**Bingo**</li>**
4. **<li>**Leo**</li>**
5. **<li>**Oracle**</li>**
6. **</ul>**

## **HTML Description List or Definition List**

HTML Description list is also a list style which is supported by HTML and XHTML. It is also known as definition list where entries are listed like a dictionary or encyclopedia.

The definition list is very appropriate when you want to present glossary, list of terms or other name-value list.

The HTML definition list contains following three tags:

1. **<dl> tag** defines the start of the list.
2. **<dt> tag** defines a term.
3. **<dd> tag** defines the term definition (description).
4. **<dl>**
5. **<dt>**Aries**</dt>**
6. **<dd>**-One of the 12 horoscope sign.**</dd>**
7. **<dt>**Bingo**</dt>**
8. **<dd>**-One of my evening snacks**</dd>**
9. **<dt>**Leo**</dt>**
10. **<dd>**-It is also an one of the 12 horoscope sign.**</dd>**
11. **<dt>**Oracle**</dt>**
12. **<dd>**-It is a multinational technology corporation.**</dd>**
13. **</dl>**

## **HTML Ordered List Example**

## **ol type="I"**

Let's see the example to display list in roman number uppercase.

1. **<ol** type="I"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ol>**

## **ol type="i"**

Let's see the example to display list in roman number lowercase.

1. **<ol** type="i"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ol>**

## **ol type="A"**

Let's see the example to display list in alphabet uppercase.

1. **<ol** type="A"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ol>**

## **ol type="a"**

Let's see the example to display list in alphabet lowercase.

1. **<ol** type="a"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ol>**

## **Example: reversed**

* 1. **<ol** reversed**>**
  2. **<li>**HTML**</li>**
  3. **<li>**Java**</li>**
  4. **<li>**JavaScript**</li>**
  5. **<li>**SQL**</li>**
  6. **</ol>**

**<ol type="i" start="5">** : It will show Roman lower case value starting with "v".

1. **<ol** type="i" start="5"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ol>**

# HTML Unordered List | HTML Bulleted List

**HTML Unordered List** or Bulleted List displays elements in bulleted format . We can use unordered list where we do not need to display items in any particular order. The HTML ul tag is used for the unordered list. There can be 4 types of bulleted list:

* disc
* circle
* square
* none

To represent different ordered lists, there are 4 types of attributes in <ul> tag.

|  |  |
| --- | --- |
| **Type** | **Description** |
| Type "disc" | This is the default style. In this style, the list items are marked with bullets. |
| Type "circle" | In this style, the list items are marked with circles. |
| Type "square" | In this style, the list items are marked with squares. |
| Type "none" | In this style, the list items are not marked . |

## **HTML Unordered List Example**

1. **<ul>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ul>**

## **ul type="circle"**

1. **<ul** type="circle"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ul>**

## **ul type="square"**

1. **<ul** type="square"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ul>**

## **ul type="none"**

1. **<ul** type="none"**>**
2. **<li>**HTML**</li>**
3. **<li>**Java**</li>**
4. **<li>**JavaScript**</li>**
5. **<li>**SQL**</li>**
6. **</ul>**

-------------------------------------------------------------------------

1. <!DOCTYPE html**>**
2. **<html>**
3. **<head>**
4. **</head>**
5. **<body>**
6. **<h2>**The type attribute with CSS property**</h2>**
7. **<ul** style="list-style-type: square;"**>**
8. **<li>**HTML**</li>**
9. **<li>**Java**</li>**
10. **<li>**JavaScript**</li>**
11. **<li>**SQL**</li>**
12. **</ul>**
13. **</body>**
14. **</html>**

# HTML Description List | HTML Definition List

**HTML Description List** or Definition List displays elements in definition form like in dictionary. The <dl>, <dt> and <dd> tags are used to define description list.

The 3 HTML description list tags are given below:

1. **<dl> tag** defines the description list.
2. **<dt> tag** defines data term.
3. **<dd> tag** defines data definition (description).
4. **<dl>**
5. **<dt>**HTML**</dt>**
6. **<dd>**is a markup language**</dd>**
7. **<dt>**Java**</dt>**
8. **<dd>**is a programming language and platform**</dd>**
9. **<dt>**JavaScript**</dt>**
10. **<dd>**is a scripting language**</dd>**
11. **<dt>**SQL**</dt>**
12. **<dd>**is a query language**</dd>**
13. **</dl>**