

The HTML `<abbr>` tag defines an abbreviation or an acronym, like "HTML", "CSS", "Mr.", "Dr.", "ASAP", "ATM".

Tip: Use the global title attribute to show the description for the Abbreviation/acronym when you mouse over the element.

Example

`<p>The <abbr title="World Health Organization">WHO</abbr> was founded in 1948.</p>`

Lab Activity/Code

Lab Task

1. Create a Wiki page related to a topic of your choice. Create at least two HTML pages for references and link the main Wiki page to those references. Use necessary File paths to images and Add formatted textual information on your Wiki. Include a table like the following in your Wiki page
2. Create a Simple web page about any latest topic of your choice e.g “ emerging software technologies now days”. Following things should be considered 1. Use all the appropriate Html Commands 2. Write Description of topic 3. Use animated images as well as use those images as a link 4. Make usage of mailto
3. Explore HTML Emojis from the following link:
https://www.w3schools.com/html/html_emojis.asp

LAB 3: Exploring HTML for website development.

Objectives

- 1 To learn how to add tables in a html webpage.
2. Learning most common HTML tags for website development

Theoretical Description

1 HTML Tables

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

Define an HTML Table

The `<table>` tag defines an HTML table. Each table row is defined with a `<tr>` tag. Each table header is defined with a `<th>` tag. Each table data/cell is defined with a `<td>` tag. By default, the text in `<th>` elements are bold and centered. By default, the text in `<td>` elements are regular and left-aligned

Example:







```
<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
</table>
```

2 HTML Table border

```
<style>
table, th, td {
  border: 1px solid black;
}
</style>
```

With the `border-style` or `border` property, you can set the appearance of the border

```
th, td {
  border-style: dotted;
}
```

- `dotted` 
- `dashed` 
- `solid` 
- `double` 
- `groove` 
- `ridge` 

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color can be added to table header `<th>` `<td>` and `<tr>`

}

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

[illegible]

column.

```
<table style="width:100%">
  <tr>
    <th style="width:70%">Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
```

HTML Table - Cell that Spans Many Rows

To make a cell span more than one row, use the **rowspan** attribute:

Example

```
<table style="width:100%">
<tr>
<th>Name:</th>
<td>Bill Gates</td>
</tr>
<tr>
<th rowspan="2">Telephone:</th>
<td>55577854</td>
</tr>
<tr>
<td>55577855</td>
</tr>
```

```
</tr>
</table>
```

Cell that spans two rows

To make a cell span more than one row, use the rowspan attribute.

Name:	Bill Gates
Telephone:	55577854
	55577855

```
<table>
<tr>
  <th>Name</th>
  <th colspan="2">Telephone</th>
</tr>
<tr>
  <td>Bill Gates</td>
  <td>55577854</td>
  <td>55577855</td>
</tr>
</table>
```

HTML Table - Add a Caption

To add a caption to a table, use the <caption> tag:

```
<table style="width:100%">
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
```

HTML Table Colgroup

If you want to style the two first columns of a table, use the `<colgroup>` and `<col>` elements.

MON	TUE	WED	THU	FRI	SAT	SUN
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

The `<colgroup>` element should be used as a container for the column specifications.

```
<table style="width: 100%;">
<colgroup>
  <col span="2" style="background-color: #d6eeee">
</colgroup>
<tr>
<th>mon</th>
<th>tue</th>
<th>wed</th>
<th>thu</th>
<th>fri</th>
<th>sat</th>
<th>sun</th>
</tr>
```

Example

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico
Ernst Handel	Roland Mendel	Austria
Island Trading	Helen Bennett	UK
Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada

```

<style>
table {
  font-family: arial, sans-serif;
  border-collapse: collapse;
  width: 100%;
}


td, th {
  border: 1px solid #dddddd;
  text-align: left;
  padding: 8px;
}
tr:nth-child(even) {
  background-color: #dddddd;
}
</style>
</head>
<body>
<table>
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>

```

Lab Task

- 1 Using table tag, Create a web page CV with your skills. Give it a name About me.html

About Me



Name: Muhammad Umer

DateofBirth: 04/06/1996

Gender: Male

Education Background

Sr. No.	Degree	Institute	City	CGPA/Grade
1.	BS Software Engineering	National University of Modern Languages	Islamabad	3.99
2.	Higher Secondary School Certificate	Punjab College of Information Technology	Rawalpindi	A
3.	Secondary School Certificate	Divisional Public School & College	D.G.Khan	A+

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- 2 Create a web page containing description list , table styling, rowspan ,column span and column group