## **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 tag, table header is defined by , and table data is defined by 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
	It defines a table.
	It defines a row in a table.
	It defines a header cell in a table.
>	It defines a cell in a table.
<caption></caption>	It defines the table caption.
<colgroup></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.</colgroup>
	It is used to group the body content in a table.
<thead></thead>	It is used to group the header content in a table.
<tfooter></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 above.

```
First_NameLast_NameMarksSonooJaiswal60JamesWilliam80SwatiSironi82ChetnaSinghChetnaSingh
```

**Test it Now** 

### **Output:**

First_Name	Last_Name	Name Marks		
Sonoo	Jaiswal	60		
James	William	80		
Swati	Sironi	82		
Chetna	Singh	72		

In the above html table, there are 5 rows and 3 columns = 5 \* 3 = 15 values.

### 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.

#### **Test it Now**

### **Output:**

First_Name	Last_Name	Marks
------------	-----------	-------

Sonoo	Jaiswal	60
James	William	80
Swati	Sironi	82
Chetna	Singh	72

### 2) CSS Border property

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

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

#### **Test it Now**

You can collapse all the borders in one border by border-collapse property. It will collapse the border into one.

```
<style>
table, th, td {
  border: 2px solid black;
  border-collapse: collapse;
}
</style>
```

**Test it Now** 

### **Output:**

Name	Last Name	Marks
Sonoo	Jaiswal	60
James	William	80
Swati	Sironi	82
Chetna	Singh	72

# 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.

```
<style>
table, th, td {
  border: 1px solid pink;
  border-collapse: collapse;
}
th, td {
  padding: 10px;
}
</style>
```

#### **Test it Now**

#### **Output:**

Name	Last Name	Marks
Sonoo	Jaiswal	60
James	William	80
Swati	Sironi	82
Chetna	Singh	72

## HTML Table width:

We can specify the HTML table width using the **CSS width** property. It can be specify in pixels or percentage.

We can adjust our table width as per our requirement. Following is the example to display table with width.

```
table{
width: 100%;
}
```

## Example:

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

```
<head>
 <title>table</title>
 <style>
  table{
    border-collapse: collapse;
    width: 100%;
  }
 th,td{
  border: 2px solid green;
  padding: 15px;
 }
 </style>
</head>
<body>
1 header
  1 header
  1 header
 1data
  1data
  1data
 2 data
  2 data
  2 data
 3 data
  3 data
  3 data
 </body>
</html>
```

**Test it Now** 

### **Output:**

# HTML Table with colspan

If you want to make a cell span more than one column, you can use the colspan attribute.

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:

```
<style>
table, th, td {
border: 1px solid black;
border-collapse: collapse;
}
th, td {
padding: 5px;
}
</style>
```

HTML code:

#### **Test it Now**

### **Output:**

Name Mobile No.	
-----------------	--

# HTML Table with rowspan

If you want to make a cell span more than one row, you can use the rowspan attribute.

It will divide a cell into multiple rows. The number of divided rows will depend on rowspan values.

Let's see the example that span two rows.

CSS code:

```
<style>
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
}
th, td {
  padding: 10px;
}
</style>
```

HTML code:

```
NameAjeet Maurya
Mobile No.7503520801
9555879135
```

#### **Test it Now**

### **Output:**

Name	Ajeet Maurya
Mobile No.	7503520801
Mobile No.	9555879135

# HTML table with caption

HTML caption is diplayed above the table. It must be used after table tag only.

```
<caption>Student Records</caption>
First_NameLast_NameMarks
VimalJaiswal70
MikeWarn60
ShaneWarn42
JaiMalhotra62
```

**Test it Now** 

## Styling HTML table even and odd cells

CSS code:

```
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
}
th, td {
  padding: 10px;
}
table#alter tr:nth-child(even) {
  background-color: #eee;
}
table#alter tr:nth-child(odd) {
  background-color: #fff;
}
table#alter th {
  color: white;
  background-color: gray;
}
</style>
```

#### **Test it Now**

### **Output:**

NOTE: You can also create various types of tables using different CSS properties in your table.

### **Supporting Browsers**

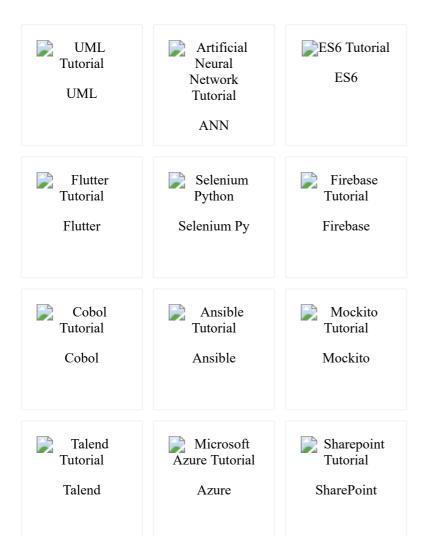
Element	© Chrome	<b>€</b> IE	Firefox	Opera	Safari
	Yes	Yes	Yes	Yes	Yes



# Help Others, Please Share



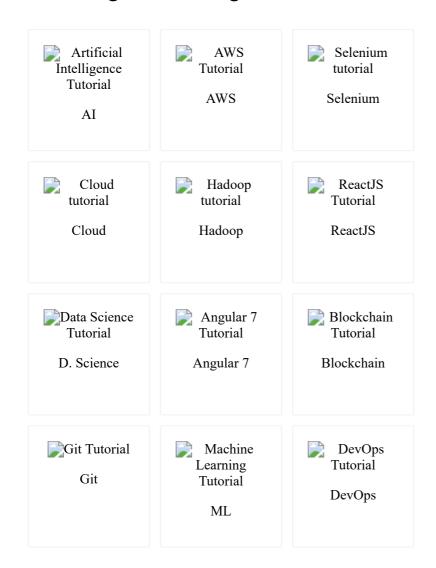
### **Learn Latest Tutorials**



# Preparation



# **Trending Technologies**



## B.Tech / MCA





DS







OS

Computer Network tutorial

C. Network



DAA

Compiler D.



COA



D. Math.



E. Hacking



C. Graphics



Software E.



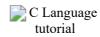
Web Tech.



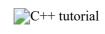
Cyber Sec.



Automata



C



C++



Java



.Net



Python



**Programs** 



Control S.



Data Mining