



Tables

Tables



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Your Notes



HTML - TABLES

Usecase1 : Suppose We have to make University website and if we want to show the data of student on webpage. then we can use the table to display the student info in the tabular form (row and col).

Usecase2 : You are design website for a company and you have display information of employee of company. it will be displayed by using table in the row and col format.

In HTML we use the tables to display data in the form of row and col.

title to table is done by caption tag and data in the table shows in the rows and cells.

HTML – Tables

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- HTML Tables allows us to arrange the data in the form of rows and columns.
- `<table>` tag is used to create a table in HTML.
- The table consists of rows and cells.
- The table can have headings and captions.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3



Table caption is used to displaying table title.

Headings are used to specify our column name for example age , student name, salary etc.

HTML – Table Rows and Cells

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Table row:

- Table rows are created by using `<tr>` tag.
- Multiple rows can be used in a table.
- The content inside the row can be defined by the Table cells.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

Table cells:

- Table cells are defined by using `<td>` tag, where td means table data.
- The content of the cell has to be included in between `<td>` `</td>`.
- The content can be any HTML elements.



HTML – Table Border

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By default the tables do not have borders.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3



Inside table cell the content can be paragraph, image, bold, italic, strong, list etc. any content.

----> table row.

----> table data. content left aligned by default.

----> table heading/table header. content center aligned by default.

---> table title.

caption tag is used immediately after table tag before tr tag. and by default content inside it center aligned.

table border : by default do not have border to the table. to apply border to the table we use border attribute to the table element/tag. it is applicable for only table tag. for rows and cells the border can be applied in styles.

HTML – Table Border

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- Borders can be added to the table/cells in different shapes and styles, but the border attribute is applicable only for <table>. For rows and cells the border can be applied in styles.
- When the border is added to the table, the border will be automatically added around each table cell.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

Tables

Rows and cells

Headers and captions

Borders

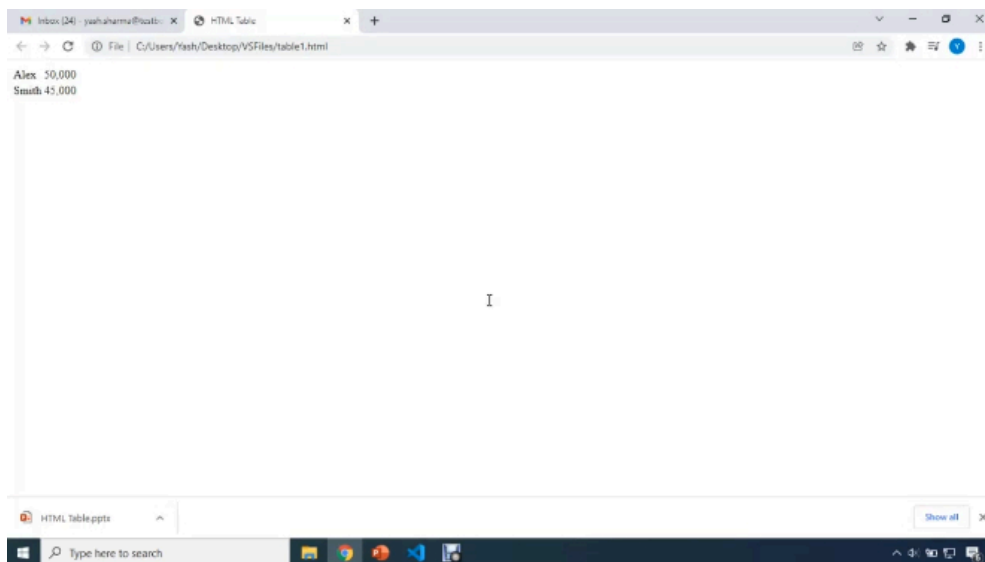
Colspan

Rowspan

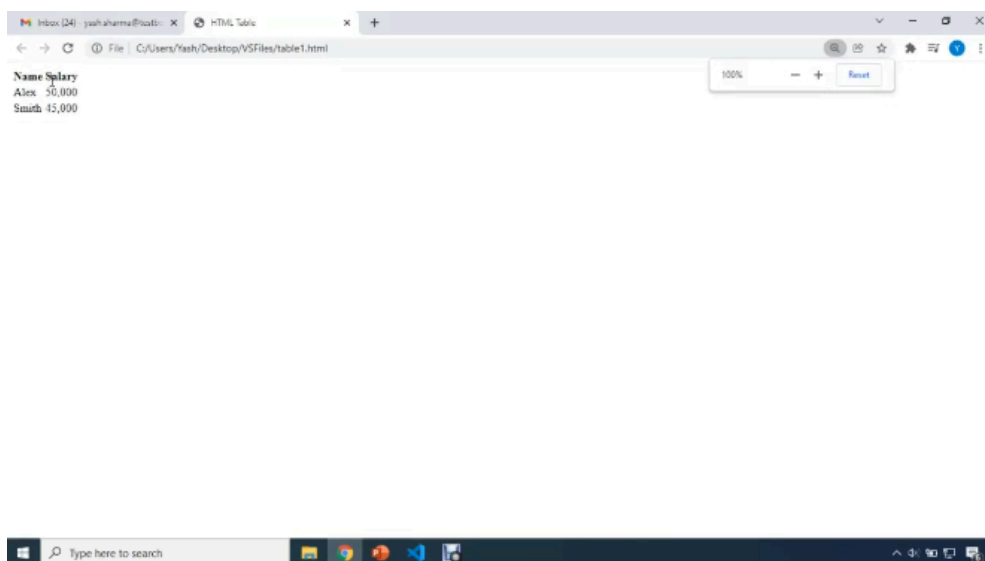
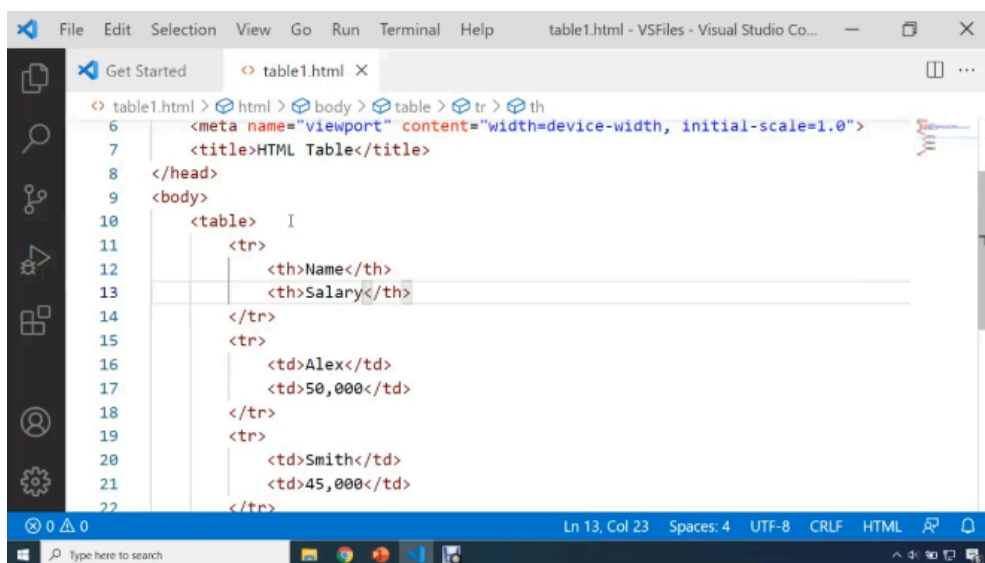
before apply the border to the table. and not heading to the column.

```

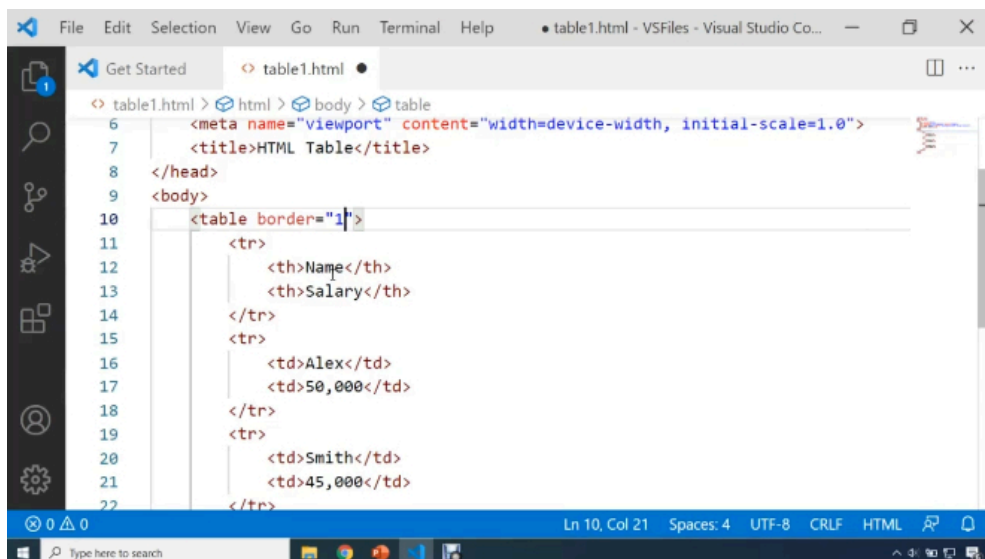
6  <meta name="viewport" content="width=device-width, initial-scale=1.0">
7  <title>HTML Table</title>
8  </head>
9  <body>
10   <table>
11     <tr>
12       <td>Alex</td>
13       <td>50,000</td>
14     </tr>
15     <tr>
16       <td>Smith</td>
17       <td>45,000</td>
18     </tr>
19   </table>
20 </body>
21 </html>
  
```



after the adding heading to the each column.



after the adding border into the table element.



```
<?xml version="1.0" encoding="UTF-8" ?>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HTML Table</title>
  </head>
  <body>
    <table border="1">
      <tr>
        <th>Name</th>
        <th>Salary</th>
      </tr>
      <tr>
        <td>Alex</td>
        <td>50,000</td>
      </tr>
      <tr>
        <td>Smith</td>
        <td>45,000</td>
      </tr>
    </table>
  </body>
</html>
```



Name	Salary
Alex	50,000
Smith	45,000

Points to be Remember :

table heading --> Bold and center aligned.

table data --> left aligned

More Important Attributes are cell padding and cell spacing.

cell spacing --> it defines space between table cells. this attribute define inside the table tag.

cell padding --> if defines distance between cell border and content with a cell. this attribute define inside the table tag.

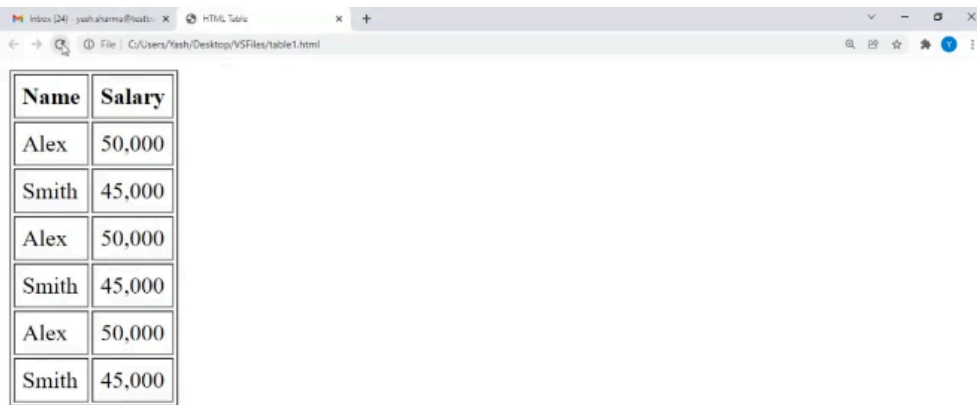
```
File Edit Selection View Go Run Terminal Help • table1.html - VSFiles - Visual Studio Co...
Get Started table1.html
table1.html > html > body > table
8 </head>
9 <body>
10 <table border="1" cellpadding="5">
11 <tr>
12 <th>Name</th>
13 <th>Salary</th>
14 </tr>
15 <tr>
16 <td>Alex</td>
17 <td>50,000</td>
18 </tr>
19 <tr>
20 <td>Smith</td>
21 <td>45,000</td>
22 </tr>
23 </table>
```

Inbox (24) yashaharma@osaf... HTML Table

C:\Users\yash\Desktop\VSFiles\table1.html

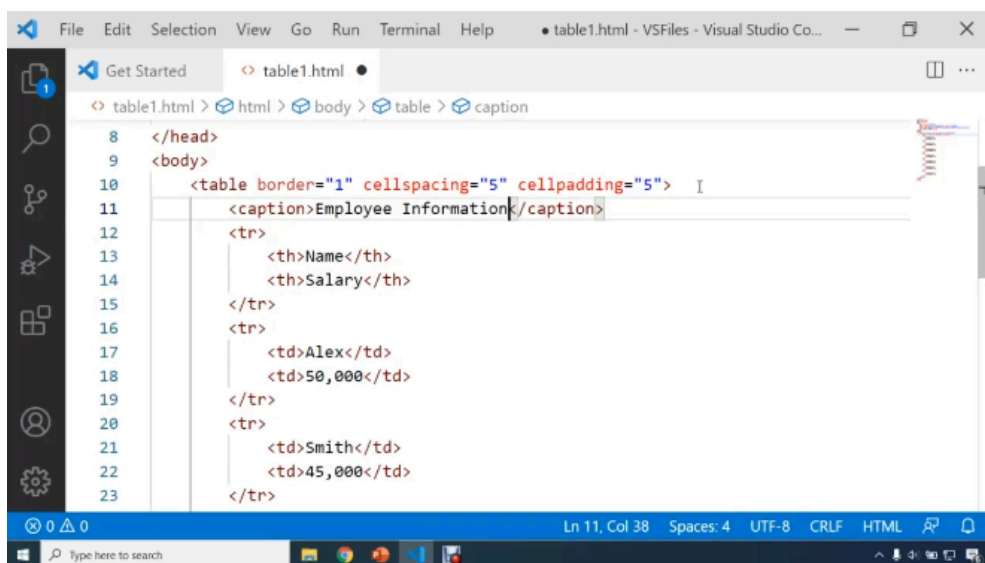
Name	Salary
Alex	50,000
Smith	45,000
Alex	50,000
Smith	45,000
Alex	50,000
Smith	45,000

```
File Edit Selection View Go Run Terminal Help table1.html - VSFiles - Visual Studio Co...
Get Started table1.html X
table1.html > html > body > table
8 </head>
9 <body>
10 <table border="1" cellpadding="5">
11 <tr>
12 <th>Name</th>
13 <th>Salary</th>
14 </tr>
15 <tr>
16 <td>Alex</td>
17 <td>50,000</td>
18 </tr>
19 <tr>
20 <td>Smith</td>
21 <td>45,000</td>
22 </tr>
23 </table>
```



Name	Salary
Alex	50,000
Smith	45,000
Alex	50,000
Smith	45,000
Alex	50,000
Smith	45,000

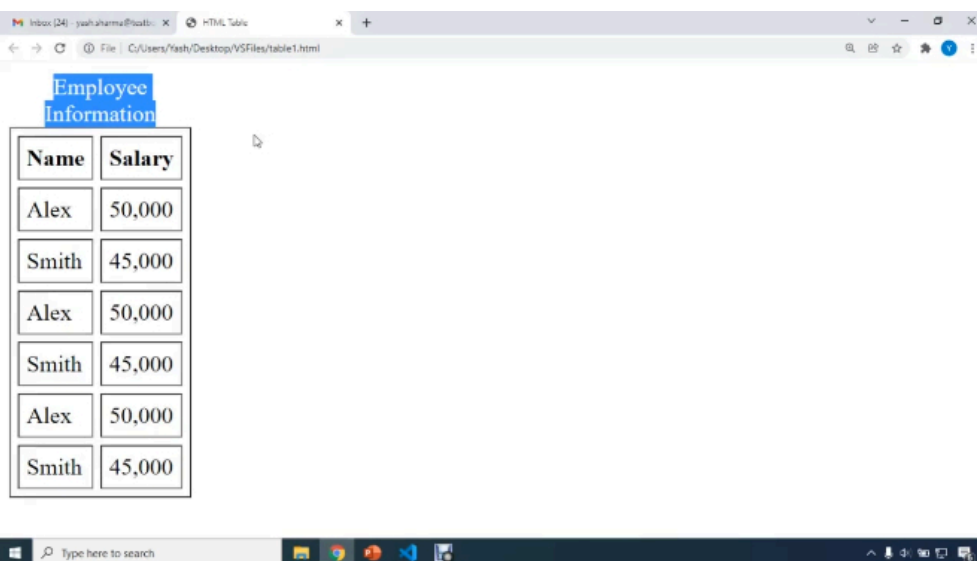
caption --> used to define the title for table. and caption is centered align by default.



```

8  </head>
9  <body>
10     <table border="1" cellspacing="5" cellpadding="5">
11         <caption>Employee Information</caption>
12         <tr>
13             <th>Name</th>
14             <th>Salary</th>
15         </tr>
16         <tr>
17             <td>Alex</td>
18             <td>50,000</td>
19         </tr>
20         <tr>
21             <td>Smith</td>
22             <td>45,000</td>
23         </tr>

```



Employee Information

Name	Salary
Alex	50,000
Smith	45,000
Alex	50,000
Smith	45,000
Alex	50,000
Smith	45,000

HTML - Table Colspan

HTML – Table Colspan

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- Multiple rows can be included in the table but all the rows `<tr>` should have the same number of cells `<td>`.
- If the number of cells are different, colspan can be used to balance them.
- To span the cells over multiple columns colspan is used.

Table Caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 spanned collum		

Navigation: Tables → Rows and cells → Headers and captions → Borders → **Colspan** → Rowspan

following table will be obtained by use of table colspan.

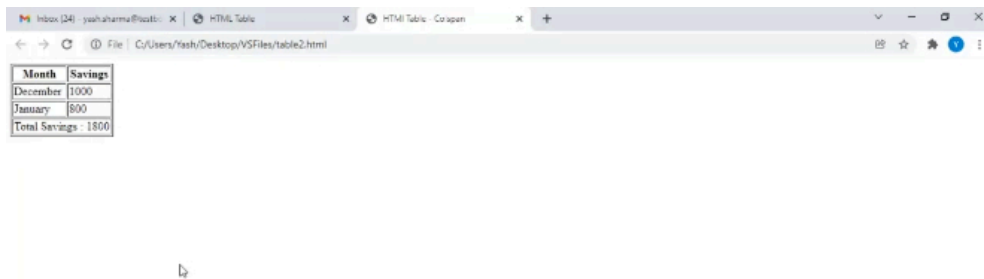
Month	Saving
December	1000
January	800
Total Saving : 1800	

colspan attribute is write in td tag in which td will be colspan will be done.

```

12 <th>Month</th>
13 <th>Savings</th>
14 </tr>
15 <tr>
16 <td>December</td>
17 <td>1000</td>
18 </tr>
19 <tr>
20 <td>January</td>
21 <td>800</td>
22 </tr>
23 <tr>
24 <td colspan="2">Total Savings : 1800</td>
25 </tr>
26 </table>
27 </body>

```

Month	Savings
December	1000
January	800
Total Savings	1800



HTML - Table Rowspan

HTML – Table Rowspan

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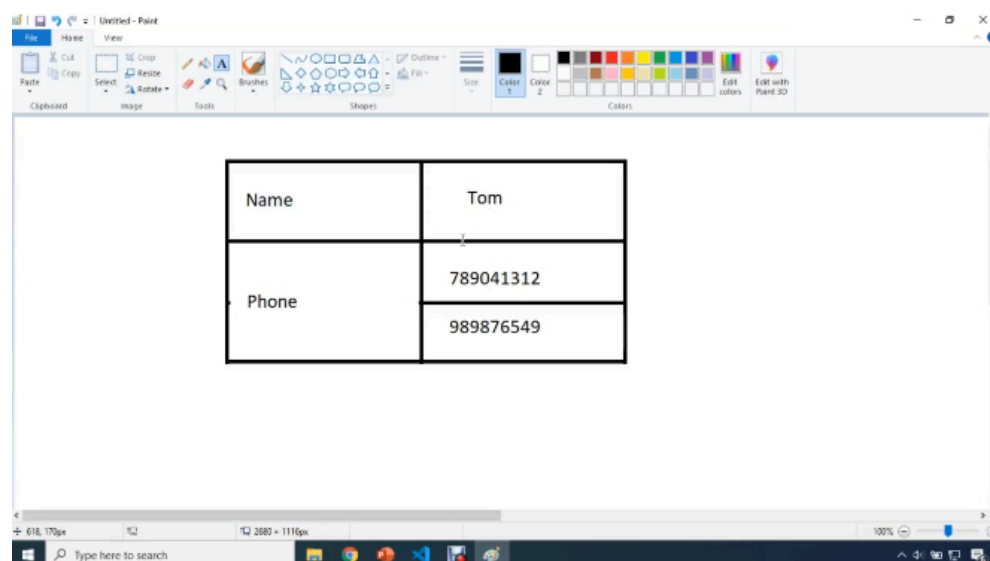
- To span the cells over multiple rows, rowspan is used.

Table Caption

Heading 1	Heading 2	Heading 3
Row 1/2Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3



This type of table achieved by using table Rowspan.



Name	Tom
Phone	789041312
	989876549

```
12 <th>Name</th>
13 <td>Tom Holland</td>
14 </tr>
15 <tr>
16 <th rowspan="2">Phone</th>
17 <td>7689765432</td>
18 </tr>
19 <tr>
20 <td>9087654324</td>
21 </tr>
22 <th>Address</th>
23 <td>New Delhi</td>
24 </tr>
25 </table>
26 </body>
```

