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A	B	C	D
Roll No.	Student Name	Subject	Mark
1	Akshay	English	98
2	Binoy	Malayalam	97
3	Chinnu	Hindi	93
4	Danny	English	84
5	Ebin	English	99
6	Hameed	Malayalam	96
7	Ijas	Hindi	87
8	Jiju	Hindi	89
9	Kevin	Hindi	90

All of you are familiar with tables. We see them in newspapers, TV news, magazines and you might have even worked with them using MS Office or Google Sheets.

In this chapter we will discuss about how to create tables in our HTML web page.

## Tables, Rows and Columnns

As you know every table has rows and columns. And each column has a column heading.

A	B	C	D	E
Roll No.	Student Name	Subject	Mark	
1	Akshay	English	98	
2	Binoy	Malayalam	97	
3	Chinnu	Hindi	93	
4	Danny	English	84	
5	Ebin	English	99	
6	Hameed	Malayalam	96	
7	Ijas	Hindi	87	
8	Jiju	Hindi	89	
9	Kevin	Hindi	90	

In HTML, we define a table using the `<table>` tag. It has an opening and closing tag.  
Rows are created using `<tr>` tags and columns ( table data ) are created using `<td>` tag. Table headings are provided using `<th>`

Columns are created inside rows ( ie. `<td>` comes inside `<tr>` )  
Column headings are also created inside rows. ( ie. `<th>` comes inside `<tr>` )

### Table with Two Rows and One Column per Row

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

Table with Two Rows and Two Columns per Row

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

COPY

Table with Three Rows, Two columns per row and Table Heading

```
<table>
  <tr>
    <th></th>
    <th></th>
  </tr>
  <tr>
    <td></td>
    <td></td>
  </tr>
  <tr>
    <td></td>
    <td></td>
  </tr>
</table>
```

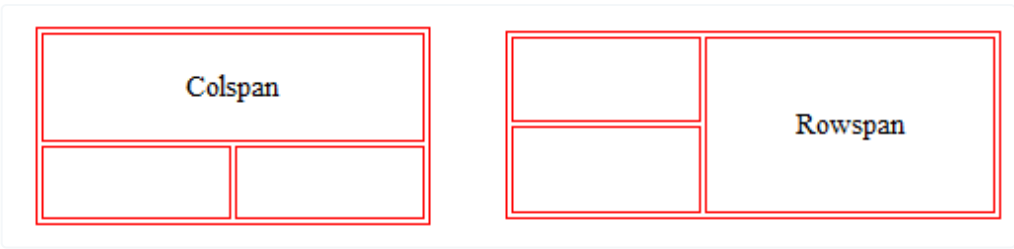
COPY

Here's the full code of a sample table

COPY

```
<!DOCTYPE html>
<html>
  <head>
    <title>Employee Details</title>
  </head>
  <body>
    <table>
      <tr>
        <th>Name</th>
        <th>Age</th>
      </tr>
      <tr>
        <td>Ramchandran</td>
        <td>34</td>
      </tr>
      <tr>
        <td>DamuKrishnan</td>
        <td>29</td>
      </tr>
    </table>
  </body>
</html>
```

## Colspan and Rowspan Attributes



You will use `<colspan>` attribute if you want to merge two or more columns into a single column.

Expense	
Arun	\$10
Priya	\$8

Colspan = 2

Two columns combined to one column

Similar way you will use `<rowspan>` if you want to merge two or more rows.

Name	Age
Ajay	24
Priya	

Rowspan = 2

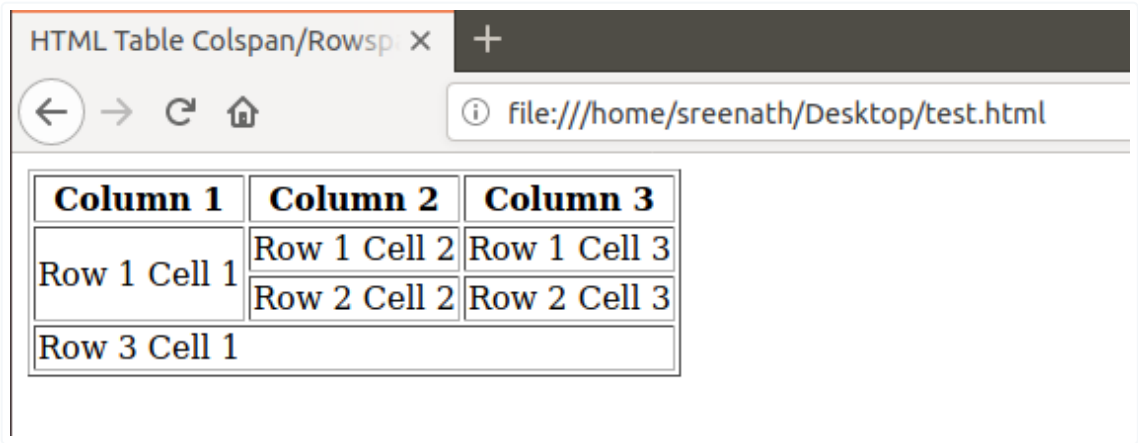
Two rows combined to one row

Here's an example of the `colspan` and `rowspan` code.

COPY

```
<!DOCTYPE html>
<html>
  <head>
    <title>HTML Table Colspan/Rowspan</title>
  </head>
  <body>
    <table border = "1">
      <tr>
        <th>Column 1</th>
        <th>Column 2</th>
        <th>Column 3</th>
      </tr>
      <tr>
        <td rowspan = "2">Row 1 Cell 1</td>
        <td>Row 1 Cell 2</td>
        <td>Row 1 Cell 3</td>
      </tr>
      <tr>
        <td>Row 2 Cell 2</td>
        <td>Row 2 Cell 3</td>
      </tr>
      <tr>
        <td colspan = "3">Row 3 Cell 1</td>
      </tr>
    </table>
  </body>
</html>
```

Output:



This image will give you a better understanding

Colspan = “4”			
Colspan = “1” <u>Rowspan = “3”</u>	Colspan = “1” <u>Rowspan = “3”</u>	Colspan = “1” <u>Rowspan = “3”</u>	Colspan = “1” <u>Rowspan = “3”</u>
Colspan = “2”		Colspan = “2”	
Colspan = “3”			Colspan = “1”

### Summary

- Use the HTML `<table>` element to define a table.
- Use the HTML `<tr>` element to define a table row.
- Use the HTML `<td>` element to define a table data.
- Use the HTML `<th>` element to define a table heading.
- Use the `colspan` attribute to make a cell span many columns.

```
<td colspan = "3">
```

COPY

- Use the `rowspan` attribute to make a cell span many rows.

```
<td rowspan = "2">
```

COPY