

What is table

- Table is use to display the data in tabular format it contains rows and columns
- An HTML table is a structured way to display data, making it easy to read and understand. It's ideal for comparing information in a grid-like format.
- Table is created by table tag of html
- Row represented by **tr**, and columns represented by **td**
- Each table cell is defined by a `<td>` and a `</td>` tag. Td stands for table data
- **Table header is represented by th**
- Any number of rows and columns can be added in the table
- A table cell can contain all sorts of HTML elements: text, images, lists, links, other tables, etc.
- By default table display without any border but we can create the border by css property or by the html attribute of table.

1.

How to create the table in html with 5 rows and 4 columns

Task 1

S.NO	Name	Age	City
101	Jack	35	Mumbai
102	Ratwik	43	Noida
102	Ratwik	43	Noida
102	Ratwik	43	Noida

Note With html attribute border

Task 2

S.NO	Name	Age	City
101	Jack	35	Mumbai
102	Ratwik	43	Noida
102	Ratwik	43	Noida
102	Ratwik	43	Noida

```
tr, td
{
    border:1px solid green;
}
```

Task 3

S.NO	Name	Age	City
101	Jack	35	Mumbai
102	Ratwik	43	Noida
102	Ratwik	43	Noida
102	Ratwik	43	Noida

```
table, tr, td
{
    border:1px solid green;
}
```

Task 4:

S.NO	Name	Age	City
101	Jack	35	Mumbai
102	Ratwik	43	Noida
102	Ratwik	43	Noida
102	Ratwik	43	Noida

```
table, tr, td
{
    border:1px solid blue;
    border-collapse:collapse;
    padding:5px;
    background-color:aliceblue;
}
```

Task 6

National PG College			
S.NO	Name	Age	City
101	Jack	35	Mumbai
102	Ratwik	43	Noida
102	Ratwik	43	Noida
102	Ratwik	43	Noida

Note:

1. Table will occupied the Entire width 90%
2. Title is table header

Task 7

National PG College			
S.NO	Name	Age	City
101	Jack	35	Mumbai
102	Ratwik	43	Noida
102	Ratwik	43	Noida
102	Ratwik	43	Noida

Task 5

Revision Sheet of Python 3	
1.	What is range data type how its work , what are the section of range
2.	Print the natural number from 1 to 100 using range data type
3.	Print first 50 even number using range data type
5.	Input your name and print 10 times with range function and without range function horizontally
6.	Print the sum of first 10 natural number
7.	Wap to input 10 number and print the average
8.	Wap to input n number and print how many +ve and -ve number are there
9.	Wap to input a number and print all its factors
10.	Wap to input a number and count how many factors of that number

```

<table>
  <tr>
    <td>S.NO</td>
    <td>Name</td>
    <td>City</td>
    <td>Salary</td>
  </tr>
  <tr>
    <td>101</td>
    <td>Ram</td>
    <td>Lucknow</td>
    <td>67000</td>
  </tr>

  <tr>
    <td>102</td>
    <td>Sanjana</td>

```

	<pre> <td>Mumbai</td> <td>70000</td> </tr> <tr> <td>103</td> <td>Raman</td> <td>Banglore</td> <td>67000</td> </tr> <tr> <td>101</td> <td>Ram</td> <td>Lucknow</td> <td>67000</td> </tr> </table> </pre>
2.	How to set the border
	<pre> table,tr,td { border:1px solid red; padding:10px; } </pre> <p>Note : But the above css will produce the double border</p>
3.	How to remove the double border
	<pre> border-collapse: collapse; </pre> <p>Note : border-collapse property remove extra border</p>
4.	How to change the color of particular TD ON PLACING THE CURSOR
	<pre> td:hover{ color:red; } </pre>
5.	How to increase the padding of table
	<pre> table,tr,td { padding:10px; } </pre>
6.	How to set the margin of table (top 10 % and from left 30%)
	<pre> table,tr,td { margin:5% 35%; } </pre>

7.	How to set the color of <u>ODD ROWS</u> light green as below example by psedu-element																				
	<table><tr><th>S.NO</th><th>Name</th><th>City</th><th>Salary</th></tr><tr><td>101</td><td>Ram</td><td>Lucknow</td><td>67000</td></tr><tr><td>102</td><td>Sanjana</td><td>Mumbai</td><td>70000</td></tr><tr><td>103</td><td>Raman</td><td>Banglore</td><td>67000</td></tr><tr><td>101</td><td>Ram</td><td>Lucknow</td><td>67000</td></tr></table> <pre>table tr:nth-child(odd){ background-color: rgb(222, 238, 222); }</pre>	S.NO	Name	City	Salary	101	Ram	Lucknow	67000	102	Sanjana	Mumbai	70000	103	Raman	Banglore	67000	101	Ram	Lucknow	67000
S.NO	Name	City	Salary																		
101	Ram	Lucknow	67000																		
102	Sanjana	Mumbai	70000																		
103	Raman	Banglore	67000																		
101	Ram	Lucknow	67000																		
8.	How to set the background color light pink of every even cell of table <table><tr><th>S.NO</th><th>Name</th><th>City</th><th>Salary</th></tr><tr><td>101</td><td>Ram</td><td>Lucknow</td><td>67000</td></tr><tr><td>102</td><td>Sanjana</td><td>Mumbai</td><td>70000</td></tr><tr><td>103</td><td>Raman</td><td>Banglore</td><td>67000</td></tr><tr><td>101</td><td>Ram</td><td>Lucknow</td><td>67000</td></tr></table> <pre>table td:nth-child(odd){ background-color: lightpink; }</pre>	S.NO	Name	City	Salary	101	Ram	Lucknow	67000	102	Sanjana	Mumbai	70000	103	Raman	Banglore	67000	101	Ram	Lucknow	67000
S.NO	Name	City	Salary																		
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103	Raman	Banglore	67000																		
101	Ram	Lucknow	67000																		
9.	How to occupied the table of full screen of browser <pre>table { width:99%; }</pre>																				
10.	How to increase the width of table <pre>table { width:99%; height:400px; }</pre>																				

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Create this design

S.NO	Name	City	Salary
101	Ram	Lucknow	67000
102	Sanjana	Mumbai	70000
103	Raman	Banglore	67000
101	Ram	Lucknow	67000

```
table, tr, td
{
    padding: 10px;
    border: 2px solid white;
    border-collapse: collapse;
    background-color: lightcoral;
    /* box-shadow: 5px 5px black; */
    border-radius: 40px;
}
```

Draw a table like below structure

Home	Login	Regisration	FeedBack	Enquiry	AboutUs
------	-------	-------------	----------	---------	---------

```
table
{
    margin-top: 20px;
}
table tr td
{
    padding: 8px;
    background-color: darkcyan;
    color: white;
    width: 10%;
    text-align: center;
}
table tr td:hover{
    color: red;
    cursor: pointer;
    background-color: antiquewhite;
    transition: 2s;
}
```

Practice Questions

Question1

Item1	Item2	Item3
item4		item5

```
<table>
  <Tr>
    <td>Item1</td>
    <Td rowspan="2" style="background-color:darkkhaki;">Item2</Td>
    <td>Item3</td>
  </Tr>
  <tr>
    <Td>item4</Td>
    <Td>item5</Td>
  </tr>
</table>
```

Question2

Alpha	Beta				
	Gamma	Tilde		Lambda	
		1	2	3	4
	Zeta	Delta		Theta	
		Omega		Kappa	

```
<table>
  <tr>
    <td rowspan="5" valign="center">Alpha</td>
    <td colspan="5" style="text-align:center;">Beta</td>
  </tr>
```


	<pre><tr> <Td rowspan="2" valign="center">Gamma</Td> <Td colspan="2">Tilde</Td> <td colspan="2">Lambda</td> </tr> <Tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </Tr> <tr> <td rowspan="2">Zeta</td> <td colspan="2">Delta</td> <td colspan="2">Theta</td> </tr> <tr> <Td colspan="2">Omega</Td> <Td colspan="2">Kappa</Td> </tr> </table></pre>
	Create a basic 2 x 3 table with capital alphabets A B C D E F G

```
table,tr,td{
  border:1px solid blue;
  padding:10px;
}
table
{
  border-collapse: collapse;
}

<style>
table,tr,td{
  border:4px solid white;
  padding:10px;
  background-color:lightcoral;
}
table
{
  border-collapse: collapse;
}
```

```

/* table
{
    border-collapse: collapse;
    width:80%;
    text-align: center;
}
tr td
{
    padding:10px;
    border:1px solid red;
}
#header
{
    background-color: bisque;
    color:black;
    font-weight: bold;

} */
</style>
</head>
<body>
<table>
<tr>
<td>Serial number</td>
<td>Serial number</td>
<td>Serial number</td>
<td>Serial number</td>
</tr>
<tr>
<td>7001</td>
<td>7001</td>
<td>7001</td>
<td>7001</td>
</tr>
<tr>
<td>Programming</td>
<td>Programming</td>
<td>Programming</td>
<td>Programming</td>
</tr>

</table>

```

```
</body>  
</html>
```