Table

In simple words, an arrangement of information in rows and columns containing cells is table, which make comparing and contrasting information easier.

Tables in W3.CSS

W3.CSS provides various table classes which can be used to represent tabular data on webpages with enhanced look. The w3-table class shows basic table class available in W3.CSS. Two or more properties can be combined to give a totally new look to the table

<table>
<thead>
<tr>
<th>Sno</th>
<th>W3.CSS table Class</th>
<th>Table Features</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>w3-table</td>
<td>Simple HTML Table</td>
<td>Used to display Basic Table</td>
</tr>
<tr>
<td>2.</td>
<td>w3-striped</td>
<td>Striped table</td>
<td>used to add zebra-stripes to a table</td>
</tr>
<tr>
<td>3.</td>
<td>w3-border</td>
<td>Bordered table</td>
<td>Used to add a bottom border to each table row</td>
</tr>
<tr>
<td>4.</td>
<td>w3-bordered</td>
<td>Bordered lines</td>
<td>used to display a border around a table</td>
</tr>
<tr>
<td>5.</td>
<td>w3-table-all</td>
<td>All properties set (Striped, Bordered Table &amp; Bordered Line)</td>
<td>Used to combine and display all the properties (Striped, Bordered Table &amp; Bordered Line) in a table</td>
</tr>
</tbody>
</table>

We need to only use the w3-table-all and no need to add property classes.

Example 1: Basic Table using w3-table class

```html
<html>
<title>Table Class</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
<h2>Basic Table</h2>
<table class="w3-table">
  <tr>
    <th>Name of Student</th>
  </tr>
</table>
</div>
</body>
</html>
```
<table>
  <tr>
    <th>Class-Section</th>
    <th>Hindi</th>
    <th>English</th>
    <th>Maths</th>
    <th>Physics</th>
    <th>Chemistry</th>
    <th>Computer</th>
  </tr>
  <tr>
    <td>Akash</td>
    <td>12-A</td>
    <td>48</td>
    <td>45</td>
    <td>46</td>
    <td>41</td>
    <td>45</td>
  </tr>
  <tr>
    <td>Ketan</td>
    <td>12-B</td>
    <td>45</td>
    <td>48</td>
    <td>41</td>
    <td>45</td>
    <td>46</td>
  </tr>
  <tr>
    <td>Sumit</td>
    <td>12-B</td>
    <td>47</td>
    <td>41</td>
    <td>49</td>
    <td>46</td>
    <td>41</td>
  </tr>
</table>
Example 2: Basic Table using w3-table and w3-striped class

We use the exactly same code of Example 1, except the w3-striped class is added alongwith w3-table class making the code line as

```html
<table class="w3-table w3-striped ">
```

Instead of

```html
<table class="w3-table">
```

Example 3: Basic Table using w3-table and w3-bordered class: This will add border to each row.

- We use the exactly same code of Example 1, except the w3-bordered class has added alongwith w3-table class making the code line as

```html
<table class="w3-table w3-bordered ">
```
Instead of

\texttt{<table class="w3-table">}

- We have also updated the heading tag to \texttt{<h2>Basic Table with bordered class</h2>}
  to explain the example with the correct heading.

\begin{table}[h]
\centering
\begin{tabular}{|l|l|c|c|c|c|c|c|}
\hline
\textbf{Name of Student} & \textbf{Class-Section} & \textbf{Hindi} & \textbf{English} & \textbf{Maths} & \textbf{Physics} & \textbf{Chemistry} & \textbf{Computer} \\
\hline
Akash & 12-A & 48 & 45 & 46 & 41 & 45 & 45 \\
Ketan & 12-B & 45 & 48 & 41 & 45 & 45 & 46 \\
Sumit & 12-B & 47 & 41 & 49 & 46 & 41 & 45 \\
\hline
\end{tabular}
\caption{Basic Table with bordered class}
\end{table}

\textbf{Example 4:} Basic Table using \texttt{w3-table} and \texttt{w3-border} class: This will add border to the table.

- We use the exactly same code of Example 1, except the w3-border class has added alongwith w3-table class making the code line as

\texttt{<table class="w3-table w3-border ">

\textit{Instead of}

\texttt{<table class="w3-table">}

- We have also updated the heading tag to \texttt{<h2>Basic Table with border class</h2>}
  to explain the example with the correct heading.
Example 5: Combining of Properties. i.e. Basic Table using **w3-table**, **w3-border** and **w3-striped** class: This will add border to the table and stripes to rows.

- We use the exactly same code of Example 1, except the w3-border and w3-striped class have added along with w3-table class making the code line as

```html
<table class="w3-table w3-border w3-striped">
```

*Instead of*

```html
<table class="w3-table">
```

- We have also updated the heading tag to `<h2>Basic Table with border and striped rows</h2>`

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Example 5: Using **w3-table-all** class to display all properties (Striped, Bordered Table & Bordered Line). We need not to define each property separately if this class is used. Code of example 1 will be changed only at 2 places i.e. table class and in heading. However, we are giving complete code again:
Table with all properties (Row Border, Striped and Table Border)

<table>
<thead>
<tr>
<th>Name of Student</th>
<th>Class-Section</th>
<th>Hindi</th>
<th>English</th>
<th>Maths</th>
<th>Physics</th>
<th>Chemistry</th>
<th>Computer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Akash</td>
<td>12-A</td>
<td>48</td>
<td>45</td>
<td>46</td>
<td>41</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Ketan</td>
<td>12-B</td>
<td>45</td>
<td>48</td>
<td>41</td>
<td>45</td>
<td>45</td>
<td>46</td>
</tr>
<tr>
<td>Sumit</td>
<td>12-B</td>
<td>47</td>
<td>41</td>
<td>49</td>
<td>46</td>
<td>41</td>
<td>45</td>
</tr>
</tbody>
</table>
Assignment

1. What are the table & their property classes available with W3.CSS?
2. How the property classes can be combined?