

Assignment 04:

Title: Creating Tables in HTML

Objective: To learn how to present tabular data.

Tasks: Create a timetable or price list using HTML table tags with proper headings, rows, and columns.

Software Required:

1. Notepad (or any text editor)
2. Any web browser (Google Chrome / Edge / Firefox)

Procedure:

Step 1: Open Notepad (or any text editor).

Step 2: Create new file.

Step 3: Save the file as

- File Name: assignment3.html
- Save as type: All Files
- Encoding: UTF-8
- Location: Desktop or your project folder

Step 4: Type the HTML program using

Tag / Attribute	Description / Purpose	Example Usage
<table>	Defines a table in HTML. It acts as the container for all rows and columns.	<table border="1"> ... </table>
<tr>	Defines a table row. Used to group cells (<th> or <td>) horizontally.	<tr> <td>Row 1, Cell 1</td> <td>Row 1, Cell 2</td> </tr>
<th>	Defines a header cell (bold and centered by default). Used inside <tr>.	<th>Subject</th>
<td>	Defines a standard data cell in a table.	<td>HTML</td>

border	Attribute used inside <table> to define the thickness of the border.	<table border="2">
cellpadding	Defines the space between the cell border and the content inside it.	<table cellpadding="8">
cellspacing	Defines the space between two cells in a table.	<table cellspacing="4">
colspan	Merges two or more columns in a table cell.	<td colspan="2">Merged Cell</td>
rowspan	Merges two or more rows in a table cell.	<td rowspan="3">Lunch Break</td>
<caption>	Provides a title or description for the table (appears above the table).	<caption>Weekly Timetable</caption>
<h1> ... <h3>	Used for headings of different levels in a webpage.	<h1>Creating Tables in HTML</h1>
<p>	Defines a paragraph for adding descriptive text.	<p>This is a paragraph.</p>
<hr>	Inserts a horizontal line to separate content.	<hr color="blue" size="3">
<footer>	Defines a footer section at the bottom of the webpage.	<footer>Created by Student</footer>
<!-- comment -->	Used to add comments in HTML (not visible on the webpage).	<!-- This is a comment -->

Step 5: Run assignment3.html in any web browser

Note: Use comments (<!-- -->) in your code to label each question clearly.

Example: <!-- Question 1: External Link -->

Question 1: Basic Table

Example:

```

<h2>1. Basic Table Example</h2>

<table border="1" cellpadding="8" cellspacing="4">
<caption><b>Subject List</b></caption>
<tr>
  <th>Sr. No</th>
  <th>Subject</th>
</tr>
<tr>
  <td>1</td>
  <td>HTML</td>
</tr>
<tr>

```

```
<td>2</td>
<td>CSS</td>
</tr>
</table>
```

Student Activity:

Create a 3-row table of your 3 favourite hobbies with columns: Sr. No, Hobby, Time Spent (hrs/day). Use `<caption>`, `<th>`, and `<td>`.

Question 2: Weekly Timetable (colspan / rowspan)

Example:

```
<h2>2. Weekly Timetable Example</h2>

<table border="1" cellpadding="6" cellspacing="4">
  <caption><b>Sample Timetable</b></caption>
  <tr>
    <th>Day</th>
    <th>9-10 AM</th>
    <th>10-11 AM</th>
    <th>11-12 PM</th>
  </tr>
  <tr>
    <td>Monday</td>
    <td>HTML</td>
    <td>CSS</td>
    <td>Break</td>
  </tr>
  <tr>
    <td rowspan="2">Tuesday</td>
    <td>Computer Lab</td>
    <td>Maths</td>
    <td>English</td>
  </tr>
  <tr>
    <td colspan="3">Project Work (All Groups)</td>
  </tr>
</table>
```

Student Activity:

Create your own weekly timetable for **Monday–Friday**. Use `rowspan` or `colspan` at least once (e.g., lab spans rows or project spans columns).

Question 3: Price List Table (multiple columns)

Example:

```
<h2>3. Price List Example</h2>

<table border="1" cellpadding="8" cellspacing="4">
  <caption><b>Stationery Price List</b></caption>
  <tr>
    <th>Item</th>
    <th>Brand</th>
    <th>Price (₹)</th>
  </tr>
  <tr>
    <td>Notebook</td>
    <td>Classmate</td>
    <td>45</td>
  </tr>
  <tr>
    <td>Ball Pen</td>
    <td>Reynolds</td>
    <td>12</td>
  </tr>
</table>
```

Student Activity:

Create a price list for **electronic items** used in computer hardware. Include columns: Product, Brand, Model (or Spec), Price (₹).

Question 4: Caption, cellpadding & cellspacing (table spacing & title)

Example:

```
<h2>4. Caption & Spacing Example</h2>

<table border="2" cellpadding="12" cellspacing="6">
  <caption><b>Monthly Expenses</b></caption>
  <tr>
    <th>Month</th>
    <th>Rent (₹)</th>
    <th>Food (₹)</th>
    <th>Other (₹)</th>
  </tr>
  <tr>
    <td>January</td>
    <td>8000</td>
    <td>3000</td>
```

```

<td>1500</td>
</tr>
<tr>
  <td>February</td>
  <td>8000</td>
  <td>3200</td>
  <td>1200</td>
</tr>
</table>

```

Student Activity:

Make a small budget table for **3 months**. Experiment with `cellpadding` and `cellspacing` values to see the visual difference. Add a `<caption>` describing the table.

Question 5: Merged Cells (`colspan` + `rowspan`) — complex layout

Example:

```

<h2>5. Merged Cells Example</h2>

<table border="1" cellpadding="8" cellspacing="4">
  <caption><b>Class Schedule (Merged Cells)</b></caption>
  <tr>
    <th>Time</th>
    <th>Mon</th>
    <th>Tue</th>
    <th>Wed</th>
  </tr>

  <tr>
    <td>9:00 - 10:00</td>
    <td>Math</td>
    <td rowspan="2">Computer Lab</td>
    <td>English</td>
  </tr>

  <tr>
    <td>10:00 - 11:00</td>
    <td colspan="2">Guest Lecture</td>
    <!-- colspan merges Mon and Wed cells here -->
  </tr>

  <tr>
    <td>11:00 - 12:00</td>
    <td>Science</td>
  </tr>

```

```
<td>Math</td>
<td>Sports</td>
</tr>
</table>
```

Student Activity:

Design a table like this. Add more row and column.

Daily Meal Plan		
Meal	Food Item 1	Food Item 2
Breakfast	Poha	
Lunch	Rice	Dal
	Chapati	Sabji
Dinner	Soup	Salad

Output:

Creating Tables in HTML

Savitribai Phule Pune University

Course: VSEC-101-CA: HTML and Webpage Designing

In this assignment, we will learn how to create and format tables in HTML. Tables are used to display data in rows and columns. HTML provides tags such as `<table>`, `<tr>`, `<th>`, and `<td>` for creating tables.

Example 1: College Timetable

Weekly Class Timetable

Day	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00
Monday	HTML	CSS	JavaScript	LUNCH	Python
Tuesday	Networking	HTML	DBMS		Project
Wednesday	DBMS	CSS	Python		JavaScript
Thursday	HTML	Networking	DBMS		Project
Friday	Python	HTML	CSS		DBMS

Example 2: Price List

Stationery Shop Price List

Item	Brand	Quantity	Price (?)
Pen	Cello	1 Piece	10
Pencil	Apsara	1 Piece	5
Notebook	Classmate	1 Unit	40
Sketch Pens	Camlin	1 Pack (12 colors)	60

Created by: Student Name

Course: VSEC-101-CA

College: APIMR, Landewadi

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Conclusion:

Successfully created and formatted tables in HTML to display tabular data such as timetables and price lists using table-related tags like `<table>`, `<tr>`, `<th>`, and `<td>`.