

## Experiment-3

**Aim:-** Create a Web Page for College Timetable: Use of Tables with Rowspan, Colspan, Headers, Captions, and Nested Table

### Objectives

1. To design a college timetable webpage using HTML tables.
2. To apply rowspan and colspan attributes for merging cells.
3. To use table headers (<th>), captions (<caption>), and formatting for readability.
4. To implement nested tables within a timetable cell.

### Tools Required

- ☐ Computer / Laptop with any OS
- ☐ Text Editor (Notepad, VS Code, Sublime Text)
- ☐ Web Browser (Chrome, Edge, Firefox)

### Theory

1. Table (<table>): Arranges data in rows and columns.
2. Rowspan: Merges a cell vertically across rows.
3. <td rowspan="2">Lab</td>
4. Colspan: Merges a cell horizontally across columns.
5. <td colspan="3">Break</td>
6. Header (<th>): Displays header cells in bold and centered.
7. Caption (<caption>): Defines the title of the table.
8. Nested Table: A table placed inside another table cell.

### Code implementation

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <title>Experiment 3</title>

  </head>
```

<body>

<table border="1" align="center" cellpadding="8" cellspacing="0">

<caption><b>College Timetable - CSE Department</b></caption>

<thead>

<tr>

<th>Day / Time</th>

<th>9:00 - 10:00</th>

<th>10:00 - 11:00</th>

<th>11:00 - 12:00</th>

<th>12:00 - 1:00</th>

<th>1:00 - 2:00</th>

<th>2:00 - 3:00</th>

<th>3:00 - 4:00</th>

</tr>

</thead>

<tbody>

<tr>

<th>Monday</th>

<td colspan="2">Mathematics</td>

<td rowspan="3">Physics</td>

<td rowspan="7">Break</td>

<td colspan="2">Data Structure Lab</td>

<td>Electrical Basics</td>

</tr>

<tr>

<th>Tuesday</th>

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<td>Mathematics</td>

<td>Essentials of AI</td>

<td colspan="2">CAD Lab</td>

<td>Mathematics</td>

</tr>

<tr>

<th>Wednesday</th>

<td>Mathematics</td>

<td>Electrical Basics</td>

<td>Data Structure</td>

<td colspan="2">

<table border="1" cellpadding="5" cellspacing="0">

<tr><th colspan="2">Lab Details</th></tr>

<tr><td><b>Batch A</b></td><td>Physics Lab</td></tr>

<tr><td><b>Batch B</b></td><td>Electrical Lab</td></tr>

</table>

</td>

</tr>

<tr>

<th>Thursday</th>

<td colspan="2">Web Designing Workshop</td>

<td rowspan="2">Mathematics</td>

<td>Essentials of AI</td>

<td>Electrical Basics</td>

<td>Mathematics</td>

</tr>

```

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<tr>

    <th>Friday</th>

    <td>Data Structure</td>

    <td>Physics</td>

    <td colspan="3">Mentor-Mentee</td>

</tr>

</tbody>

</table>

</body>

</html>

```

## Output

College Timetable - CSE Department												
Day / Time	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00					
Monday	Mathematics		Physics	Break	Data Structure Lab		Electrical Basics					
Tuesday	Mathematics	Essentials of AI			CAD Lab		Mathematics					
Wednesday	Mathematics	Electrical Basics			Data Structure		<table><tr><th colspan="2">Lab Details</th></tr><tr><td>Batch A</td><td>Physics Lab</td></tr><tr><td>Batch B</td><td>Electrical Lab</td></tr></table>		Lab Details		Batch A	Physics Lab
Lab Details												
Batch A	Physics Lab											
Batch B	Electrical Lab											
Thursday	Web Designing Workshop		Mathematics	Essentials of AI	Electrical Basics	Mathematics						
Friday	Data Structure	Physics		Mentor-Mentee								

## Outcome:

- ☑ Successfully created a college timetable webpage using HTML tables.
- ☐ Implemented rowspan, colspan, headers, captions, and nested tables.
- ☐ Learned to organize tabular data in a structured webpage format.

