

Weekly Timetable Using HTML and CSS

Introduction

In this guide, you will learn how to create a simple weekly timetable using **HTML** and **CSS**. We will use **semantic HTML elements** to give the webpage a clear structure and **CSS** to style the table, making it easy to read and visually appealing.

This HTML and CSS code generates a weekly timetable in a structured table format. The table outlines a weekly schedule with multiple periods, subjects, and activities. It includes row and column spanning to merge cells efficiently, ensuring clarity and readability.

Why Use Semantic Tags?

Semantic tags like `<header>`, `<table>`, `<thead>`, `</tbody>`, `<th>` etc make webpages:

- More **accessible** for screen readers.
- Easier to **read and maintain**.
- Better structured for **search engines**.

Step 1: Setting Up the Project

First, create a new project folder and add the following files:

```
/timetable-project
|— index.html  (Structure of the webpage)
|— styles.css  (Styles for the webpage)
```

These two files will contain the HTML structure and CSS styling for the timetable.

Step 2: Writing the HTML Code

Open **index.html** and add the following code:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Time Table</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <header><h1>Weekly Time Table</h1></header>
    <table >
      <tr>
        <th>Day <span>\</span> Period</th>
        <th>I <br>9:15 - 10:30</th>
        <th>II <br>10:45 - 12:00</th>
        <th>III <br>12:15 - 1:30</th>
        <th>01:30 - 02:30</th>
        <th>IV <br>02:30 - 3:45</th>
        <th>03:45 - 04:15</th>
      </tr>

      <tr>
        <th>Monday</th>
        <td>C/C++</td>
        <td>Engineering Mathematics</td>
        <td>Web Development</td>
        <td rowspan="5">Lunch Break</td>
        <td>JavaScript</td>
        <td rowspan="3">Doubt Clearing Session</td>
      </tr>

      <tr>
        <th>Tuesday</th>
        <td>C/C++</td>
        <td>Engineering Mathematics</td>
        <td>Web Development</td>
        <td>JavaScript</td>
      </tr>

      <tr>
        <th>Wednesday</th>

```

```

        <td>C/C++</td>
        <td>Engineering Mathematics</td>
        <td>Web Development</td>
        <td>OS/Networking</td>
    </tr>

    <tr>
        <th>Thursday</th>
        <td>C/C++</td>
        <td>Soft Skills</td>
        <td>Web Development</td>
        <td>OS/Networking</td>
        <td rowspan="2">Idea Discussion</td>
    </tr>
    <tr>
        <th>Friday</th>
        <td colspan="2">C/C++ Lab</td>
        <td>Soft Skills</td>
        <td>OS/Networking</td>
    </tr>
</table>
</div>
</body>
</html>

```

Explanation:

- `<body>`: Contains the main content of the webpage.
 - `<div class="container">`: Wraps the timetable structure.
 - `<header>`: Displays the page title.
 - `<table>`: Creates a structured timetable.
 - `<thead>`: Defines the column headers.
 - `<tbody>`: Contains the schedule data.
 - `<tr>`: Defines a row in the table.
 - `<th>`: Represents table headers.
 - `<td>`: Represents table data cells.
 - `rowspan`: Merges multiple rows for common cells like lunch break.
 - `colspan`: Merges multiple columns for subjects that span more than one time slot.
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Step 3: Writing the CSS Code

Open **style.css** and add the following styles:

```
body {  
    background-color: bisque;  
}  
h1 {  
    text-align: center;  
}  
  
table, th, td {  
    border: 2px solid black;  
    border-collapse: collapse;  
    text-align: center;  
    margin: auto;  
    padding-left: 10px;  
    padding-right: 10px;  
}
```

Explanation:

- **body:**
 - Sets the background color to bisque for a warm look.
- **h1:**
 - Centers the title using `text-align: center`.
- **table, th, td:**
 - Adds a `2px solid black` border for structure.
 - Uses `border-collapse: collapse` to merge borders neatly.
 - Centers text within table cells.
 - Applies `margin: auto` to center the table on the page.
 - Uses `padding-left: 10px` and `padding-right: 10px` for spacing within cells.

Step 4: Viewing Your Timetable

1. Save both files in the same folder.
2. Open `index.html` in your browser.

You should now see a well-structured, styled timetable with clear headings and readable content.

What You Learned:

- How to use **semantic HTML** for a well-structured webpage.
- How to style a **table with CSS** to enhance readability.
- How to organize files for a small project efficiently.

Now you have a fully functional weekly timetable! Keep experimenting and improving your project. Add some more styles to give this project your personal touch.

Still confused?

If you are facing difficulties building this time-table feel free to check out the completed project on [github](#).

Download the project into your system and get your hands dirty.