

## DAY 5 - HTML5 - Tables

HTML tables are used to organize data into rows and columns. Each table is comprised of one or more `<table>` tags, and within these tags, you define the table rows using `<tr>` tags, and the cells within each row using `<td>` tags.

- The `<thead>` element is used to define the header section of the table.
- Inside `<thead>`, the `<tr>` element represents a table row containing header cells defined with `<th>` tags.
- The `<tbody>` element contains the body section of the table.
- Inside `<tbody>`, the `<tr>` element represents each row in the table, and the cells are defined using `<td>` tags.
- The `<tfoot>` element is used to define the footer section of the table.
- Inside `<tfoot>`, the `<tr>` element represents the footer row, and the footer cell is defined using `<td>` tags with a `colspan` attribute to span across all columns.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Table</title>
</head>
<body>
  <table border="2">
    <thead>
      <tr>
        <th colspan="2">Employee Details</th>
        <th>Contact Information</th>
      </tr>
```

```
</thead>
<tbody>
  <tr>
    <td rowspan="2">John Doe</td>
    <td>Designation</td>
    <td>Graphic Designer</td>
  </tr>
  <tr>
    <td>Email</td>
    <td>john.doe@example.com</td>
  </tr>
  <tr>
    <td rowspan="3">Jane Smith</td>
    <td>Designation</td>
    <td>Software Developer</td>
  </tr>
  <tr>
    <td>Email</td>
    <td>jane.smith@example.com</td>
  </tr>
  <tr>
    <td>Phone</td>
    <td>123-456-7890</td>
  </tr>
</tbody>
<tfoot>
  <tr>
    <td colspan="3">Total Employees: 2</td>
  </tr>
</tfoot>
</table>

</body>
</html>
```

## In this example:

- The first row in the **<thead>** section has three header cells. The first cell spans two columns using **colspan="2"**, indicating it should occupy the space of two columns.
- In the **<tbody>** section, we have employee details. John Doe's name spans two rows using **rowspan="2"**, allowing the cell to extend vertically.
- Jane Smith's name also spans three rows using **rowspan="3"**.
- The **<tfoot>** section contains the footer row, which spans all three columns using **colspan="3"**, displaying the total number of employees.

## Create a complete webpage using HTML tags

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <title>My First Website</title>
</head>

<body>
  <!-- Header Section -->
  <header>
    <h1>Welcome to My First Website</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li> <!-- Add href attribute to
specify the link destination -->
        <li><a href="#">About</a></li>
        <li><a href="#">Services</a></li>
```

```

        <li><a href="#">Contact</a></li>
    </ul>
</nav>
</header>

<!-- Main Content Section -->
<main>
    <section>
        <h2>About Me</h2>
        <p>Hello, I am a fresh graduate passionate about web
development. I love exploring new technologies and
        creating exciting websites.</p>
    </section>

    <section>
        <h2>Contact Me</h2>
        <form>
            <label for="name">Name:</label>
            <!-- Use the "for" attribute to associate the label with
the corresponding input element -->
            <input type="text" id="name" name="name" required>
            <!-- Add the "required" attribute to make the field
mandatory -->

            <label for="email">Email:</label>
            <input type="email" id="email" name="email" required>

            <label for="message">Message:</label>
            <textarea id="message" name="message" rows="5"
required></textarea>

            <input type="submit" value="Submit">
        </form>
    </section>

    <section>
        <h2>My Skills</h2>
        <ul>
            <li>HTML5</li>
            <li>CSS3</li>

```

```

        <li>JavaScript</li>
        <li>Responsive Web Design</li>
    </ul>
</section>

<section>
    <h2>My Projects</h2>
    <table>
        <tr>
            <th>Project Name</th>
            <th>Description</th>
        </tr>
        <tr>
            <td>Project 1</td>
            <td>This project involved creating a responsive
website using HTML and CSS.</td>
        </tr>
        <tr>
            <td>Project 2</td>
            <td>Developed a JavaScript-based game with interactive
features.</td>
        </tr>
    </table>
</section>

<section>
    <h2>My Favorite Song</h2>
    <audio controls>
        <source src="song.mp3" type="audio/mpeg">
        <!-- Add the source file for the audio using the src
attribute and specify the type attribute -->
        Your browser does not support the audio element.
    </audio>
</section>

<section>
    <h2>Video Example</h2>
    <video controls width="480" height="270">
        <source src="./LinkedIn Bot Demo.mp4" type="video/mp4">
        Your browser does not support the video element.

```

```
        </video>
    </section>

    <section>
        <iframe width="480" height="270"
src="https://leetcode.com/contest/weekly-contest-347/" frameborder="0"
allowfullscreen></iframe>
    </section>
</main>

<!-- Footer Section -->
<footer>
    <p>&copy; 2023 My First Website. All rights reserved.</p>
</footer>
</body>

</html>
```