

Module 15) HTML in Full Stack

1. HTML Basics

Theory Assignment

Lab Assignment

☐ **Task: Create a simple HTML webpage that includes:**

o A header (<header>), footer (<footer>), main section (<main>), and aside section (<aside>).

o A paragraph with some basic text.

o A list (both ordered and unordered).

o A link that opens in a new tab.

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>HTML Basics Example</title>
```

```
</head>
```

```
<body>
```

```
  <!-- Header -->
```

```
  <header>
```

```
    <h1>Welcome to My Webpage</h1>
```

```
  </header>
```

```
  <!-- Main Section -->
```

```
  <main>
```

```
    <p>
```

This is a simple HTML webpage created for the lab assignment. It includes various basic elements like lists, links, and sections.

</p>

<!-- Unordered List -->

<h2>My Favorite Fruits</h2>

Apple

Banana

Mango

<!-- Ordered List -->

<h2>Steps to Start Coding</h2>

Install a code editor

Learn HTML basics

Practice daily

<!-- Link -->

<p>

Visit

Example Website

for more information.

</p>

</main>

<!-- Aside Section -->

<aside>

<h3>Quick Note</h3>

<p>This is an aside section for additional content.</p>

</aside>

<!-- Footer -->

<footer>

<p>© 2025 My Webpage</p>

</footer>

</body>

</html>

2. HTML Forms

Theory Assignment

Lab Assignment

☐ Task: Create a contact form with the following fields:

○ Full name (text input)

○ Email (email input)

○ Phone number (tel input)

<!DOCTYPE html>

```
<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Contact Form</title>

</head>

<body>

  <h1>Contact Us</h1>

  <form action="#" method="post">

    <!-- Full Name -->

    <label for="fullname">Full Name:</label><br>

    <input type="text" id="fullname" name="fullname" placeholder="Enter your full name"
required>

    <br><br>

    <!-- Email -->

    <label for="email">Email:</label><br>

    <input type="email" id="email" name="email" placeholder="Enter your email" required>

    <br><br>

    <!-- Phone Number -->

    <label for="phone">Phone Number:</label><br>

    <input type="tel" id="phone" name="phone" placeholder="Enter your phone number"
required>

    <br><br>

    <!-- Subject Dropdown -->

    <label for="subject">Subject:</label><br>

    <select id="subject" name="subject" required>

      <option value="">--Select a Subject--</option>
```

```
<option value="general">General Inquiry</option>
<option value="support">Support</option>
<option value="feedback">Feedback</option>
</select>
<br><br>

<!-- Submit Button -->
<button type="submit">Submit</button>
</form>

</body>
</html>
```

3. HTML Tables

Lab Assignment

□ Task: Create a product catalog table that includes the following columns:

- Product Name
- Product Image (use placeholder image URLs)
- Price
- Description

○ Availability (in stock, out of stock)

Additional Requirements:

○ Use thead for the table header.

○ Add a border and some basic styling using inline CSS.

○ Use colspan or rowspan to merge cells where applicable.

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Product Catalog</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Product Catalog</h1>
```

```
  <table style="width:80%; border:1px solid black; border-collapse: collapse; text-align:center;">
```

```
    <!-- Table Header -->
```

```
    <thead style="background-color:#f2f2f2;">
```

```
      <tr>
```

```
        <th style="border:1px solid black; padding:8px;">Product Name</th>
```

```
        <th style="border:1px solid black; padding:8px;">Product Image</th>
```

```
        <th style="border:1px solid black; padding:8px;">Price</th>
```

```
        <th style="border:1px solid black; padding:8px;">Description</th>
```

```
        <th style="border:1px solid black; padding:8px;">Availability</th>
```

```
      </tr>
```

```
    </thead>
```

<!-- Table Body -->

<tbody>

<tr>

<td style="border:1px solid black; padding:8px;">Smartphone</td>

<td style="border:1px solid black; padding:8px;">

</td>

<td style="border:1px solid black; padding:8px;">₹20,000</td>

<td style="border:1px solid black; padding:8px;">Latest Android smartphone with 6GB RAM.</td>

<td style="border:1px solid black; padding:8px;">In Stock</td>

</tr>

<tr>

<td style="border:1px solid black; padding:8px;">Laptop</td>

<td style="border:1px solid black; padding:8px;">

</td>

<td style="border:1px solid black; padding:8px;">₹55,000</td>

<td style="border:1px solid black; padding:8px;">High-performance laptop for professionals.</td>

<td style="border:1px solid black; padding:8px;">Out of Stock</td>

</tr>

<!-- Rowspan Example -->

<tr>

<td rowspan="2" style="border:1px solid black; padding:8px;">Headphones</td>

<td style="border:1px solid black; padding:8px;">

</td>

<td style="border:1px solid black; padding:8px;">₹1,500</td>

<td style="border:1px solid black; padding:8px;">Wireless Bluetooth headphones.</td>

<td style="border:1px solid black; padding:8px;">In Stock</td>

</tr>

<tr>

<td colspan="4" style="border:1px solid black; padding:8px; text-align:left;">

Special Offer: Buy 2 headphones and get 10% off!

</td>

</tr>

</tbody>

</table>

</body>

</html>