Lab Assignment

Basic HTML

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.

ANS.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple HTML Webpage</title>
</head>
<body>

<header>
    <h1>Welcome to My Simple Webpage</h1>
</header>

<main>
    <h2>Main Content</h2>
    <p>This is a simple webpage created to demonstrate basic HTML structure. Here you can find various elements like lists and links.</p>

    <h3>Unordered List</h3>
    <ul>
        <li>Item 1</li>
        <li>Item 2</li>
        <li>Item 3</li>
    </ul>

    <h3>Ordered List</h3>
    <ol>
        <li>Apple</li>
        <li>Banana</li>
        <li>Mango</li>
    </ol>
```

```
    <h3>Useful Link</h3>
    <p>For more information, visit <a href="https://www.example.com" target="_blank">Example
Website</a>.</p>
</main>

<aside>
    <h2>Aside Section</h2>
    <p>This section can contain additional information, links, or advertisements.</p>
</aside>

<footer>
    <p>&copy; 2024 My Simple Webpage</p>
</footer>

</body>
</html>
```

HTML FORM
Task: Create a contact form with the following fields:
o Full name (text input)
o Email (email input)
o Phone number (tel input)
o Subject (dropdown menu)
o Message (textarea)
o Submit button
Ans.

```
<!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">
    <table>
        <tr>
            <td>
```

```html
        <label for="full-name">Full Name:</label>
      </td>
      <td>
        <input type="text" id="full-name" name="full-name" required minlength="2" maxlength="50" pattern="[A-Za-z\s]+" title="Please enter a valid name (letters and spaces only)">
      </td>
    </tr>
    <tr>
      <td>
        <label for="email">Email:</label>
      </td>
      <td>
        <input type="email" id="email" name="email" required>
      </td>
    </tr>
    <tr>
      <td>
        <label for="phone">Phone Number:</label>
      </td>
      <td>
        <input type="tel" id="phone" name="phone" required pattern="[0-9]{10}" title="Please enter a valid 10-digit phone number">
      </td>
    </tr>
    <tr>
      <td>
        <label for="subject">Subject:</label>
      </td>
      <td>
        <select id="subject" name="subject" required>
          <option value="">Select a subject</option>
          <option value="inquiry">General Inquiry</option>
          <option value="support">Support</option>
          <option value="feedback">Feedback</option>
          <option value="other">Other</option>
        </select>
      </td>
    </tr>
    <tr>
      <td>
        <label for="message">Message:</label>
      </td>
      <td>
```

```
            <textarea id="message" name="message" required minlength="10"
maxlength="500"></textarea>
        </td>
      </tr>
      <tr>
        <td colspan="2">
            <button type="submit">Submit</button>
        </td>
      </tr>
</table>
</form>
</body>
</html>
```

HTML TABLE

Task: Create a product catalog table that includes the following columns:
o Product Name
o Product Image (use placeholder image URLs)
o Price o Description
o Availability (in stock, out of stock)
Ans.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>

<h1>Product Catalog</h1>

<table border="3" cellpadding="0" cellspacing="0">
    <thead>
        <tr>
            <th>Product Name</th>
            <th>Product Image</th>
            <th>Price</th>
            <th>Description</th>
            <th>Availability</th>
        </tr>
    </thead>
```

```html
    <tbody>
        <tr>
            <td>Product 1</td>
            <td><img src="https://via.placeholder.com/100" alt="Product 1 Image"></td>
            <td>$19.99</td>
            <td>This is a great product that offers many features.</td>
            <td>In Stock</td>
        </tr>
        <tr>
            <td>Product 2</td>
            <td><img src="https://via.placeholder.com/100" alt="Product 2 Image"></td>
            <td>$29.99</td>
            <td>This product is known for its durability and quality.</td>
            <td>Out of Stock</td>
        </tr>
        <tr>
            <td>Product 3</td>
            <td><img src="https://via.placeholder.com/100" alt="Product 3 Image"></td>
            <td>$39.99</td>
            <td>A popular choice among customers for its performance.</td>
            <td>In Stock</td>
        </tr>
        <tr>
            <td>Product 4</td>
            <td><img src="https://via.placeholder.com/100" alt="Product 4 Image"></td>
            <td>$49.99</td>
            <td>This product comes with a warranty and excellent support.</td>
            <td>In Stock</td>
        </tr>
        <tr>
            <td>Product 5</td>
            <td><img src="https://via.placeholder.com/100" alt="Product 5 Image"></td>
            <td>$59.99</td>
            <td>Highly rated for its innovative design and functionality.</td>
            <td>Out of Stock</td>
        </tr>
    </tbody>
</table>
</body>
</html>
```