



WEB Technologies LAB EXERCISE-HTML [TABLES]

Lab assignment questions focused on HTML elements like `<table>`, `<tr>`, `<th>`, `<td>` etc:

1. E-Commerce Product Table

Create a product table for an e-commerce website:

- Columns: Product ID, Name, Category, Price, Discount, Final Price.
- Calculate the "Final Price" as $\text{Price} - (\text{Price} \times \text{Discount})$.
- Highlight products in different categories with unique background colors.

Bonus Challenge:

- Add a column with a star rating (1 to 5 stars) using special characters or Unicode symbols (e.g., ★).

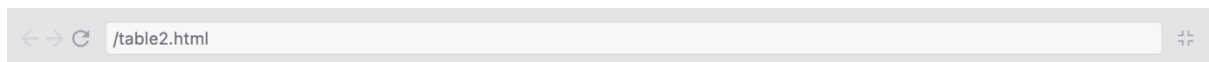
Sample Answer to Q1.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>E-Commerce Product Table</title>
</head>
<body>
  <h1>E-Commerce Product List</h1>
  <table border="1" cellspacing="0" cellpadding="5">
    <caption><strong>Product Details</strong></caption>
    <thead>
      <tr>
        <th>Product ID</th>
        <th>Name</th>
        <th>Category</th>
        <th>Price ($)</th>
        <th>Discount (%)</th>
        <th>Final Price ($)</th>
        <th>Rating</th>
      </tr>
    </thead>
    <tbody>
      <tr style="background-color: #f2f2f2;">
        <td>101</td>
        <td>Wireless Mouse</td>
        <td>Electronics</td>
        <td>25.00</td>
        <td>10</td>
        <td>22.50</td>
        <td>★★★★☆</td>
      </tr>
      <tr style="background-color: #fff0d8;">
        <td>102</td>
        <td>Coffee Mug</td>
        <td>Kitchen</td>
        <td>15.00</td>
        <td>5</td>
        <td>14.25</td>
        <td>★★★☆☆</td>
      </tr>
      <tr style="background-color: #f9f2f4;">
        <td>103</td>
        <td>Office Chair</td>
```



```
<td>Furniture</td>
<td>150.00</td>
<td>20</td>
<td>120.00</td>
<td>★★★★★</td>
</tr>
<tr style="background-color: #f2f2f2;">
<td>104</td>
<td>Desk Lamp</td>
<td>Electronics</td>
<td>30.00</td>
<td>15</td>
<td>25.50</td>
<td>★★★★☆</td>
</tr>
<tr style="background-color: #fff0d8;">
<td>105</td>
<td>Water Bottle</td>
<td>Kitchen</td>
<td>12.00</td>
<td>10</td>
<td>10.80</td>
<td>★★★☆☆</td>
</tr>
</tbody>
<tfoot>
<tr>
<td colspan="7" style="text-align: right;"><strong>Total Products: 5</strong></td>
</tr>
</tfoot>
</table>
</body>
</html>
```

Output:



E-Commerce Product List

Product Details						
Product ID	Name	Category	Price (\$)	Discount (%)	Final Price (\$)	Rating
101	Wireless Mouse	Electronics	25.00	10	22.50	★★★★☆
102	Coffee Mug	Kitchen	15.00	5	14.25	★★★★☆☆
103	Office Chair	Furniture	150.00	20	120.00	★★★★★
104	Desk Lamp	Electronics	30.00	15	25.50	★★★★☆☆
105	Water Bottle	Kitchen	12.00	10	10.80	★★★☆☆
Total Products: 5						

2. Calendar Table

Create a monthly calendar using a table:

- Rows: Weeks.
- Columns: Days (Monday to Sunday).
- Highlight the current date using the `bgcolor` attribute.



Bonus Challenge:

- Add a column to display holidays with specific icons (e.g., 🎉 for events).

3. Flight Schedule Table

Design a flight schedule table for an airline:

- Columns: Flight Number, Destination, Departure Time, Arrival Time, Duration.
- Highlight rows where the destination is international with a unique background color.
- Add a column to indicate the flight status (On Time, Delayed, or Cancelled).

Bonus Challenge:

- Use `<abbr>` in the "Duration" column to display the duration in hours and minutes with a tooltip.

WEB Technologies LAB EXERCISE-HTML [FORMS]

Lab assignment questions focused on HTML Forms

1. User Login and Password Reset Form

Create a login form:

- Fields: Username, Password (masked input), and a "Forgot Password?" link.
- Include a password reset form with fields for Email, New Password, and Confirm Password.

Bonus Challenge:

- Add a password strength meter for the new password.

Sample Answer to Q1.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login and Password Reset Form</title>
</head>
<body>
  <h1>User Login</h1>
  <form action="/login" method="post">
    <!-- Username -->
    <label for="username">Username:</label><br>
    <input type="text" id="username" name="username" required<br><br>

    <!-- Password -->
    <label for="password">Password:</label><br>
```



```
<input type="password" id="password" name="password" required><br><br>

<!-- Login Button -->
<button type="submit">Login</button><br><br>

<!-- Forgot Password Link -->
<a href="#reset-password">Forgot Password?</a>
</form>

<hr>

<!-- Password Reset Section -->
<h2 id="reset-password">Reset Password</h2>
<form action="/reset-password" method="post">
  <!-- Email -->
  <label for="reset-email">Email:</label><br>
  <input type="email" id="reset-email" name="reset-email" placeholder="example@domain.com"
required><br><br>

  <!-- New Password -->
  <label for="new-password">New Password:</label><br>
  <input type="password" id="new-password" name="new-password" required><br><br>

  <!-- Confirm Password -->
  <label for="confirm-password">Confirm Password:</label><br>
  <input type="password" id="confirm-password" name="confirm-password" required><br><br>

  <!-- Reset Password Button -->
  <button type="submit">Reset Password</button>
</form>
</body>
</html>
```

Output:

<h2>User Login</h2> <p>Username: <input type="text"/></p> <p>Password: <input type="password"/></p> <p><input type="button" value="Login"/></p> <p>Forgot Password?</p>
<h2>Reset Password</h2> <p>Email: <input type="text" value="example@domain.com"/></p> <p>New Password: <input type="password"/></p> <p>Confirm Password: <input type="password"/></p> <p><input type="button" value="Reset Password"/></p>



2. Registration Form for an Online Event

Create a registration form for an online event:

- Fields: Full Name, Email, Phone Number, Gender (radio buttons), Age Group (dropdown menu), Topics of Interest (checkboxes).
- Add a textarea for additional comments.
- Include a "Register" button.

Bonus Challenge:

- Make the email field validate the input for proper email format using HTML attributes.
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3. Feedback Form with Star Ratings

Design a feedback form for a website:

- Fields: Name, Email, Rate the Website (1-5 stars using radio buttons), Feedback (textarea).
- Add a dropdown menu to select the type of feedback (e.g., Suggestion, Bug Report, Compliment).
- Include a "Submit" and "Reset" button.

Bonus Challenge:

- Add a "Would you recommend us?" question with Yes/No radio buttons.
-

4. Health Survey Form

Build a health survey form:

- Fields: Name, Age, Gender (radio buttons), Height, Weight, and Lifestyle Questions (checkboxes).
- Include dropdowns for dietary preference (e.g., Vegetarian, Non-Vegetarian) and activity level (e.g., Sedentary, Moderate, Active).

Bonus Challenge:

- Add a section for optional health concerns using a textarea.
-



5. Travel Booking Form

Design a travel booking form:

- Fields: Full Name, Contact Information, Destination (dropdown menu), Travel Dates (date input), Number of Travelers, and Travel Class (radio buttons: Economy, Business, First Class).
- Add a checkbox to opt for travel insurance.

Bonus Challenge:

- Include a field to calculate the total cost based on the number of travelers and travel class.
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