



Green University of Bangladesh
Department of Computer Science and Engineering
(CSE)

Faculty of Sciences and Engineering
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Lab Report NO# 01
Course Title: Web Programming Lab
Course Code: CSE 302 Section:232_D5

Lab Experiment Name: Creation and implementation of lists, tables, and forms in HTML

Student Details

Name		ID
1.	Md. Sohan Millat Sakib	222902036

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Course Teacher's Name : Ms. Feroza Naznin

Lab Report Status

Marks:
Comments:.....

Signature:.....
Date:.....

1. TITLE OF THE LAB REPORT EXPERIMENT

Creation and implementation of lists, tables, and forms in HTML

2. OBJECTIVES

The main objectives of this experiment are:

1. To learn the structure and syntax of HTML for creating web pages.
2. To understand how to create and implement lists (ordered, unordered lists) in HTML.
3. To design and format tables for displaying structured data.
4. To create interactive forms that collect user input using various form elements.
5. To apply basic CSS styling to improve the appearance and layout of HTML elements.
6. To develop a clear understanding of how HTML and CSS work together to build simple and well-structured web pages.

3. PROCEDURE

1. **Plan the Web Page Layout:**
Decide on the structure of the webpage — where the lists, tables, and forms will appear.
2. **Create the Basic HTML Structure:**
 - a. Start with the `<!DOCTYPE html>` declaration.
 - b. Include the `<html>`, `<head>`, and `<body>` sections.
 - c. Add a suitable `<title>` for the web page.
3. **Implement Lists:**
 - a. Create **ordered**, **unordered** lists using ``, `` tags.
 - b. Add meaningful content inside each list to demonstrate their differences.
4. **Create Tables:**
 - a. Use `<table>`, `<tr>`, `<th>`, and `<td>` tags to display structured data.
 - b. Include a table header and at least a few rows of sample data.
5. **Design Forms:**
 - a. Create an HTML form using the `<form>` tag.
 - b. Add input elements like `<input>`, `<textarea>`, `<select>`, and `<button>`.
 - c. Label each field appropriately using `<label>` tags.
6. **Apply Basic CSS Styling:**
 - a. Use internal or external CSS to style lists, tables, and forms.
 - b. Modify properties like **font**, **color**, **border**, **background**, **padding**, and **alignment**.
 - c. Ensure the page looks clean and user-friendly.
7. **Save and Run the Program:**
 - a. Save the file with a `.html` extension.
 - b. Open it in a web browser to verify correct output and design.

4. IMPLEMENTATION

Html code for List

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
```

```

<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Lab Practice</title>
</head>
<body>
  <ul type="Square">
    <li>Tea</li>
    <li>Coffee</li>
    <li>Milk</li>
    <li>Water</li>
    <li>Coconat</li>
    <li>Rice</li>
  </ul>
  <h2>Heading for order List</h2>
  <ol type="a" start="5" reversed>
    <li>Tea</li>
    <li>Coffee</li>
    <li>Milk</li>
    <li>Water</li>
    <li>Coconat</li>
    <li>Rice</li>
  </ol>

  <h2>Defination List</h2>
  <dl>
    <dt>Coffee</dt>
    <dd>- black hot drink</dd>
    <dt>Milk</dt>
    <dd>- white cold drink</dd>
  </dl>
</body>
</html>

```

HTML code for table:

```

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

  <link rel="stylesheet" href="./style.css">
  <style>
    tr{
      color: red;
      background-color: rgb(165, 255, 165);

    }
    table,tr,td,th{
      border: 3px solid rgb(255, 106, 106);
      border-collapse: collapse;

```

```

        padding: 10px;
    }
</style>
</head>
<body>
    <h2 style="color:red">Basic Table</h2>
    <table>
        <tr>
            <th colspan="2">Heading 1</th>
            <th>Heading 3</th>
        </tr>

        <tr>
            <td>col 1.1</td>
            <td>col 1.2</td>
            <td>col 1.3</td>

        </tr>

        <tr>

            <td rowspan="2">col 3.2</td>
            <td>col 4.3</td>

        </tr>
    </table>
</body>
</html>

```

HTML code for Form

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>Form</title>
    </head>
    <body>
        <form action="#" method="post">
            <label for="name">Name:</label>
            <input
                type="text"
                id="name"
                name="name"
                placeholder="Input your name"
            /><br /><br />

            <label for="email">Email:</label>
            <input type="email" id="email" name="email" required />
            <br /><br />
        </form>
    </body>
</html>

```

```

<label for="age">Age:</label>
<input type="number" id="age" name="age" required />
<br /><br />
<label for="pass">Password</label>
<input type="password" id="pass" name="pass" />
<br /><br />
<label for="date">Date</label>
<input type="date" id="date" name="date" />
<br /><br />
<label for="time">Time</label>
<input type="time" id="time" name="time" />
<br /><br />
<label> <input type="radio" name="gender" value="male" /> Male </label>
<label>
  <input type="radio" name="gender" value="female" /> Female
</label>
<label> <input type="radio" name="gender" value="other" /> Other </label>
><br /><br />

<label for="country">Select your country:</label>
<select id="country" name="country">
  <option value="bd">Bangladesh</option>
  <option value="in">India</option>
  <option value="us" selected>Pakistan</option>
  <option value="uk">Malayshia</option></select>
><br /><br />
<labe for="pen">Pen</labe>
<input type="checkbox" name="pen" id="pen" />
<labe for="pencil">Pencil</labe>
<input type="checkbox" name="pen" id="pencil" /><br /><br />
<label for="comment"></label>
<textarea name="comment" id="comment" cols="30" rows="10" placeholder="Your
comment here..."></textarea>
<br /><br />
  <input type="submit" value="Submit" />
</form>
</body>
</html>

```

5. TEST RESULT

Output of List

- Tea
- Coffee
- Milk
- Water
- Coconat
- Rice

Heading for order List

- e. Tea
- d. Coffee
- c. Milk
- b. Water
- a. Coconat
- 0. Rice

Defination List

Coffee

- black hot drink

Milk

- white cold drink

Output of Table

Basic Table

Heading 1		Heading 3
col 1.1	col 1.2	col 1.3
col 3.2	col 4.3	

Output of Form


Name:

Email:

Age:

Password

Date 

Time 

☐ Male ☐ Female ☐ Other

Select your country: 

Pen ☐ Pencil ☐

Your comment here...

6. ANALYSIS AND DISCUSSION

In this experiment, I created a web page using HTML where I implemented different types of lists, tables, and forms, and also used basic CSS for styling. The output worked properly as the lists, tables, and forms all displayed and functioned as expected. The CSS made the page look more attractive and organized. At first, I faced some problems with table alignment and form layout, especially when using CSS properties like margin, padding, and border. But after some practice and checking the code carefully, those issues were solved. Overall, this experiment helped me understand how HTML structures a webpage and how CSS is used to style and format it nicely. It also improved my confidence in writing clean and well-organized HTML and CSS code.

7. SUMMARY:

In this experiment, I learned how to use HTML to create lists, tables, and forms, and applied basic CSS to style them. It helped me understand the structure of web pages and how design can be improved using simple CSS.