DAY – 1 Hands On Activity

Shaily Singh Parihar (16/02/2026)

<u>Problem 1</u> : Check if learners understand basic HTML structure and content creation.

<u>Code</u>

```html
Day-1 FSD > <> index.html > ⊘ html > ⊘ body > ⊘ ol
  1  <!DOCTYPE html>
  2  <html lang="en">
  3  <head>
  4      <meta charset="UTF-8">
  5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
  6      <title>DAY-1</title>
  7  </head>
  8  <body>
  9      <h1>Introduction</h1>
 10      <p>Helloo , My name is Shaily Singh Parihar from Satna M.P. I completed my B.tech from LNCTE</p>
 11      <h2>Hobbies</h2>
 12      <ul>
 13          <li>basketball</li>
 14          <li>boxing</li>
 15          <li>dancing</li>
 16      </ul>
 17      <h2>Daily routine</h2>
 18      <ol>
 19          <li>Wake up</li>
 20          <li>Brushing </li>
 21          <li>Eating breakfast</li>
 22          <li>watching tv</li>
 23      </ol>
 24      <h2>Student</h2>
 25      <table border="1">
 26          <tr>
 27              <th>Student name</th>
 28              <th>Subject</th>
 29              <th>Marks</th>
 30          </tr>
 31          <tr>
 32          <td>Shaily</td>
 33          <td>CS</td>
 34          <td>79%</td>
 35          </tr>
 36          <tr>
 37              <td>Suman</td>
```

```html
<html lang="en">
<body>
    <ol>
        <li>Wake up</li>
        <li>Brushing </li>
        <li>Eating breakfast</li>
        <li>watching tv</li>
    </ol>
    <h2>Student</h2>
    <table border="1">
        <tr>
            <th>Student name</th>
            <th>Subject</th>
            <th>Marks</th>
        </tr>
        <tr>
        <td>Shaily</td>
        <td>CS</td>
        <td>79%</td>
        </tr>
        <tr>
            <td>Suman</td>
            <td>EC</td>
            <td>87%</td>
        </tr>
    </table>
</body>
</html>
```

Output :

Introduction

Helloo , My name is Shaily Singh Parihar from Satna M.P. I completed my B.tech from LNCTE

Hobbies

- basketball
- boxing
- dancing

Daily routine

1. Wake up
2. Brushing
3. Eating breakfast
4. watching tv

Student

Student name	Subject	Marks
Shaily	CS	79%
Suman	EC	87%

Code Explanation : This HTML file starts with <!DOCTYPE html> to define the document type and uses <html>, <head>, and <body> for proper structure. Inside the body, a heading (<h1>) and paragraph (<p>) introduce the user. An unordered list (<ul>) displays hobbies, and an ordered list (<ol>) shows daily routine steps. Finally, a table (<table>) with rows (<tr>), headings (<th>), and data cells (<td>) presents student name, subject, and marks in a structured format.

Problem 2 : A small restaurant wants a **basic menu webpage** to display their offerings online before moving to a full website.

Code :

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Restaurant</title>
7   </head>
8   <body>
9     <h1>Shaily's Kitchen</h1>
10    <p> It is a small restaurant serving delicious and fresh Indian Food.</p>
11    <h2>Menu</h2>
12    <ul>
13     <li>BreakFast</li>
14     <li>Main Course</li>
15     <li>Beverages</li>
16    </ul>
17    <h2>Price List</h2>
18    <table border="1">
19     <tr>
20         <th>Item Name</th>
21         <th>Category</th>
22         <th>Price(₹)</th>
23     </tr>
24     <tr>
25         <td>Panner Butter Masala</td>
26         <td>Main Course</td>
27         <td>220</td>
28
29     </tr>
30     <tr>
31         <td>Veg Biryani</td>
32         <td>Main Course</td>
33         <td>180</td>
34     </tr>
35     <tr>
36         <td>Masala Dosa</td>
37         <td>Breakfast</td>
```

```
29          </tr>
30          <tr>
31              <td>Veg Biryani</td>
32              <td>Main Course</td>
33              <td>180</td>
34          </tr>
35          <tr>
36              <td>Masala Dosa</td>
37              <td>Breakfast</td>
38              <td>90</td>
39          </tr>
40      <tr>
41          <td>cold coffee</td>
42          <td>Beverages</td>
43          <td>120</td>
44      </tr>
45
46
47          </table>
48      </body>
49      </html>
```

OutPut:

Shaily's Kitchen

It is a small restaurant serving delicious and fresh Indian Food.

Menu

- BreakFast
- Main Course
- Beverages

Price List

Item Name	Category	Price(₹)
Panner Butter Masala	Main Course	220
Veg Biryani	Main Course	180
Masala Dosa	Breakfast	90
cold coffee	Beverages	120

Code Explanation : This HTML page follows the proper structure using <!DOCTYPE html>, <html>, <head>, and <body>. The restaurant name is displayed using a heading (<h1>), and a paragraph (<p>) describes the restaurant. An unordered list (<ul> with <li>) is used to show menu categories. A table (<table>) with rows (<tr>), header cells (<th>), and data cells (<td>) presents the item name, category, and price in a structured format, using the border attribute for visibility.

Problem 3 : You are building a **simple webpage for personal use** to plan your weekly grocery shopping. The page should clearly show **priority items** and **optional items**, so it's easy to decide what to buy first.

Code :

```
Day-1 FSD > <> problem3.html > <> html > <> body > <> ul > <> li
  1     <!DOCTYPE html>
  2     <html lang="en">
  3     <head>
  4         <meta charset="UTF-8">
  5         <meta name="viewport" content="width=device-width, initial-scale=1.0">
  6         <title>Weekly Grocery Checklist</title>
  7     </head>
  8     <body>
  9         <h1 title="Weekly Shopping Plan">Weekly Grocery Checklist</h1>
 10         <h2>High Priority Iteams</h2>
 11         <ol>
 12             <li>Rice</li>
 13             <li>Milk</li>
 14             <li>Vegetables</li>
 15             <li>Cooking Oil</li>
 16         </ol>
 17         <h2>Optional Iteams</h2>
 18         <ul>
 19             <li>Snacks</li>
 20             <li>Ice Cream</li>
 21             <li>Soft Drinks</li>
 22         </ul>
 23     </body>
 24     </html>
```

Output:

Weekly Grocery Checklist

High Priority Iteams

1. Rice
2. Milk
3. Vegetables
4. Cooking Oil

Optional Iteams

- Snacks
- Ice Cream
- Soft Drinks

Code Explanation: This HTML file creates a **Weekly Grocery Checklist** webpage using proper HTML structure. The <head> section contains meta tags for character encoding and responsive design, along with the page title. Inside the <body>, an <h1> heading displays the main title. An ordered list (<ol>) is used for high-priority items, and an unordered list (<ul>) is used for optional items, with each item written inside <li> tags to organize the content clearly.

Problem 4: A company wants a **basic onboarding page** for new employees that HR can later style using CSS   Code :

```html
3D >  problem4.html >  html >  body
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Employee Onboarding Page</title>
</head>
<body>
    <header title="Company Introduction">
        <h1>Ssp Technology</h1>
        <p>Welcome to our company ! we are excited to have you join our team.</p>

    </header>
    <section title="Employee Details Section">
        <h2>Employee Information</h2>
        <table border="1" title="Employee Information Table">
            <tr>
                <th>Employee ID</th>
                <th>Name</th>
                <th>Department</th>
                <th>Joining Date</th>
            </tr>
            <tr>
                <td>1</td>
                <td>Shaily Singh</td>
                <td>CS</td>
                <td>16/02/2025</td>
            </tr>
            <tr>
                <td>2</td>
                <td>Suman Singh</td>
                <td>IT</td>
                <td>15/02/2024</td>
            </tr>
```

```html
            <tr>
                <td>3</td>
                <td>Veer</td>
                <Td>Sales</Td>
                <td>12/06/2020</td>
            </tr>
        </table>
        </section>
        <article title="Company Policies">
            <h2>Company Policies</h2>
            <ol>
                <li>Working hours: 9:00 AM to 6:00 PM</li>
                <li>Leaving Policy: 10 leaves per year </li>
                <li>Code of conduct: Maintain Discipline </li>
            </ol>
            <h2>Facilities Provided</h2>
            <ul>
                <li>Laptop</li>
                <li>Internet Access</li>
                <li>Training Materials</li>
            </ul>

        </article>

        <footer title="Contact Information">
            <p>Contact HR: hr@shaily.com</p>
            <p>Phone: 1234567890</p>
        </footer>

</body>
```

Output:

Ssp Technology

Welcome to our company ! we are excited to have you join our team.

Employee Information

Employee ID	Name	Department	Joining Date
1	Shaily Singh	CS	16/02/2025
2	Suman Singh	IT	15/02/2024
3	Veer	Sales	12/06/2020

Company Policies

1. Working hours: 9:00 AM to 6:00 PM
2. Leaving Policy: 10 leaves per year
3. Code of conduct: Maintain Discipline

Facilities Provided

- Laptop
- Internet Access
- Training Materials

Contact HR: hr@shaily.com

Phone: 1234567890

Code Explanation: This HTML page creates an **Employee Onboarding Page** using proper HTML structure with semantic elements. The <header> section introduces the company with a heading and welcome paragraph. A <section> contains an employee information table using <table>, <tr>, <th>, and <td> to display employee details. An <article> lists company policies (ordered list) and

facilities provided (unordered list). Finally, the <footer> section displays contact information for HR.

Problem 5 : A college wants to create a **basic informational webpage** for one of its departments (e.g., Computer Science, Information Technology).
The page will be used by **students and parents** to understand faculty details, subjects offered, and the weekly timetable before the site is enhanced with CSS and backend features.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Computer Science Department - LNCT</title>
</head>
<body>
    <header title="Department Header">
        <h1>Computer Science Department</h1>
        <h2>Lakshmi Narain College Of Technology</h2>

    </header>
    <section title="Faculty Details Section">
        <h3>Faculty Details</h3>
        <table border="1" title="Faculty Information Table">
            <tr>
                <th>Faculty Name</th>
                <th>Designation</th>
                <th>Subject Handled</th>
            </tr>
            <tr>
                <td>Shaily Singh</td>
                <td>Lecturer</td>
                <td>Software Development</td>
            </tr>
            <tr>
                <td>Veer</td>
                <td>Professor</td>
                <td>DBMS</td>
            </tr>
            <td>Ravendra</td>
            <td>Lecturer</td>
            <td>Data Science</td>
            </tr>
```

```html
        </table>
</section>
<section title="Subjects Offered">
    <h3>Subjects Offered</h3>
    <ul>
        <li>DBMS</li>
        <li>Software development</li>
        <li>Operting System</li>
        <li>Data Science</li>
    </ul>
</section>
<section title="Weekly Timetable">
    <h3>Weekly Timetable</h3>
    <table border="1">
      <tr>
        <th>Day</th>
        <th>Subject</th>
        <th>Time slot</th>
      </tr>
      <tr>
        <td>Monday</td>
        <td>DBMS</td>
        <td>9 AM to 11 AM</td>
      </tr>
      <tr>
        <td>Tuesday</td>
        <td>Operting System</td>
        <td>12 Am to 1 PM</td>
      </tr>
      <tr>
```

```html
        <tr>
          <td>Wednesday</td>
          <td>Software development</td>
          <td>2 PM to 4 PM</td>
        </tr>
        <tr>
          <td>Thursday</td>
          <td>Data Structure</td>
          <td>10 Am to 11 AM</td>
        </tr>
        <tr>
          <td>Friday</td>
          <td>Data Science</td>
          <td>1 Pm to 4 Pm</td>
        </tr>
      </table>
</section>


<footer title="College contact information">
    <p>Lakshmi narain college of technology</p>
    <p>Raisen road, Bhopal</p>
    <p>Email: lnt0123@gmail.com</p>
    <p>Phone: 12345678990</p>

</footer>

</body>
</html>
```

Output:

Computer Science Department

Lakshmi Narain College Of Technology

Faculty Details

Faculty Name	Designation	Subject Handled
Shaily Singh	Lecturer	Software Development
Veer	Professor	DBMS
Ravendra	Lecturer	Data Science

Subjects Offered

- DBMS
- Software development
- Operting System
- Data Science

Weekly Timetable

Day	Subject	Time slot
Monday	DBMS	9 AM to 11 AM
Tuesday	Operting System	12 Am to 1 PM
Wednesday	Software development	2 PM to 4 PM
Thursday	Data Structure	10 Am to 11 AM
Friday	Data Science	1 Pm to 4 Pm

Lakshmi narain college of technology

Raisen road, Bhopal

Email: lnt0123@gmail.com

Code Explanation: This HTML page creates a **Computer Science Department webpage** with proper structure and semantic elements. The <header> displays the department and college name. A <section> shows faculty details using a table with <tr>, <th>, and <td> tags. Another section lists subjects offered using an unordered list (<ul>). A weekly timetable is displayed using another table, and finally, the <footer> provides college contact information.