

HTML5 - Day - 1 Hands On - Sana Naveen

Problem 1

Problem Statement :

1. Create a basic HTML page with proper structure (DOCTYPE, head, body)
2. Add a heading and a paragraph introducing yourself
3. Create an unordered list showing your hobbies
4. Create an ordered list showing daily routine steps
5. Create a simple table showing:
 - o Student Name
 - o Subject
 - o Marks

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>My Introduction </title>
</head>
<body>

<h1>Introduction</h1>
<p>My name is Naveen. I recently completed my graduation.  
I am interested in programming</p>

<h2>My Hobbies</h2>
<ul>
    <li>Reading</li>
    <li>Learning programming</li>
    <li>Playing cricket</li>
</ul>

<h2>My Daily Routine</h2>
<ol>
    <li>Wake up early</li>
    <li>Practice coding</li>
    <li>Spend time with family</li>
</ol>
```

```
<h2>Student Marks</h2>
<table border="1">
  <tr>
    <th>Student Name</th>
    <th>Subject</th>
    <th>Marks</th>
  </tr>
  <tr>
    <td>Ram</td>
    <td>Mathematics</td>
    <td>95</td>
  </tr>
  <tr>
    <td>Laksman</td>
    <td>Computer Science</td>
    <td>90</td>
  </tr>
  <tr>
    <td>Krishna</td>
    <td>English</td>
    <td>88</td>
  </tr>
</table>

</body>
</html>
```

Code Screenshot :

```
Sample > Feb_16 > <> Student_info.html > ⚡ html > ⚡ body > ⚡ ul > ⚡ li
1   <!-- Sana Naveen -->
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5     <meta charset="UTF-8">
6     <title>My Introduction </title>
7   </head>
8   <body>
9     <h1>Introduction</h1>
10    <p>My name is Naveen. I recently completed my graduation. I am interested in programming</p>
11
12    <h2>My Hobbies</h2>
13    <ul>
14      <li>Reading</li>
15      <li>Learning programming</li>
16      <li>Playing cricket</li>
17    </ul>
18
19    <h2>My Daily Routine</h2>
20    <ol>
21      <li>Wake up early</li>
22      <li>Practice coding</li>
23      <li>Spend time with family</li>
24    </ol>
25
26    <h2>Student Marks</h2>
27    <table border="1">
28      <tr>
29        <th>Student Name</th>
30        <th>Subject</th>
31        <th>Marks</th>
32      </tr>
33      <tr>
34        <td>Ram</td>
35        <td>Mathematics</td>
36        <td>95</td>
37      </tr>
38      <tr>
39        <td>Laksman</td>
40        <td>Computer Science</td>
41        <td>90</td>
42      </tr>
43      <tr>
44        <td>Krishna</td>
45        <td>English</td>
46        <td>88</td>
47      </tr>
48    </table>
49
50  </body>
51  </html>
```

Output Screenshot :



A screenshot of a web browser window. The address bar shows the path: File:///Users/naveenreddysana/Downloads/Sample%20session/Sample/Feb_16/S. The main content area displays the following HTML code:

Introduction

My name is Naveen. I recently completed my graduation. I am interested in programming

My Hobbies

- Reading
- Learning programming
- Playing cricket

My Daily Routine

1. Wake up early
2. Practice coding
3. Spend time with family

Student Marks

Student Name	Subject	Marks
Ram	Mathematics	95
Lakshman	Computer Science	90
Krishna	English	88

Explanation :

This code builds a simple introduction webpage. It starts with the HTML5 declaration and basic structure (html, head, body). The head section defines the page title and character encoding. Inside the body, headings divide the content into sections. A paragraph introduces the person. An unordered list displays hobbies with bullet points, and an ordered list shows daily routine steps in numbered format. Finally, a table organises student names, subjects, and marks into rows and columns for clear display in the browser.

Problem 2

Problem Statement :

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

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>SS Restaurant</title>
</head>
<body>

<h1> SS Restaurant </h1>

<p>
    SS Restaurant offers delicious and freshly prepared food </p>

<h2>Menu Categories</h2>
<ul>
    <li>Main Course</li>
    <li>Breakfast</li>
    <li>Beverages</li>
</ul>

<h2>Menu Price List</h2>
<table border="1">
    <tr>
        <th>Item Name</th>
        <th>Category</th>
        <th>Price (₹)</th>
    </tr>
    <tr>
        <td>Paneer Butter Masala</td>
        <td>Main Course</td>
        <td>220</td>
    </tr>
    <tr>
        <td>Veg Biryani</td>
        <td>Main Course</td>
        <td>180</td>
    </tr>
    <tr>
        <td>Masala Dosa</td>
        <td>Breakfast</td>
        <td>90</td>
    </tr>
```

```
<tr>
  <td>Cold Coffee</td>
  <td>Beverages</td>
  <td>120</td>
</tr>
</table>

</body>
</html>
```

Code Screenshot :

Get Started pract.html Student_info.html Rest.html ●

Sample > Feb_16 > Rest.html > html > body

```
1  <!-- Sana Naveen -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <title>SS Restaurant</title>
7  </head>
8  <body>
9      <h1> SS Restaurant </h1>
10
11     <p> SS Restaurant offers delicious and freshly prepared food </p>
12
13     <h2>Menu Categories</h2>
14     <ul>
15         <li>Main Course</li>
16         <li>Breakfast</li>
17         <li>Beverages</li>
18     </ul>
19
20     <h2>Menu Price List</h2>
21     <table border="1">
22         <tr>
23             <th>Item Name</th>
24             <th>Category</th>
25             <th>Price (₹)</th>
26         </tr>
27         <tr>
28             <td>Paneer Butter Masala</td>
29             <td>Main Course</td>
30             <td>220</td>
31         </tr>
32         <tr>
33             <td>Veg Biryani</td>
34             <td>Main Course</td>
35             <td>180</td>
36         </tr>
37         <tr>
38             <td>Masala Dosa</td>
39             <td>Breakfast</td>
40             <td>90</td>
41         </tr>
42         <tr>
43             <td>Cold Coffee</td>
44             <td>Beverages</td>
45             <td>120</td>
46         </tr>
47     </table>
48
49     </body>
50 </html>
```

Output Screenshot :

SS Restaurant

SS Restaurant offers delicious and freshly prepared food

Menu Categories

- Main Course
- Breakfast
- Beverages

Menu Price List

Item Name	Category	Price (₹)
Paneer Butter Masala	Main Course	220
Veg Biryani	Main Course	180
Masala Dosa	Breakfast	90
Cold Coffee	Beverages	120

Explanation :

This HTML code creates a basic restaurant menu webpage using the standard HTML5 structure. The `<!DOCTYPE html>` defines the document type, and the `<head>` section sets the character encoding and page title. Inside the `<body>`, a main heading displays the restaurant name, followed by a paragraph describing it. An unordered list (``) is used to show menu categories, and a table (`<table>`) with rows (`<tr>`), headers (`<th>`), and data cells (`<td>`) is used to present the price list in a structured format. The `border="1"` attribute makes the table visible with borders.

Problem 3

Problem Statement :

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:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Weekly Grocery Checklist</title>
</head>
<body>

    <h1> Weekly Grocery Checklist </h1>

    <h2>High-Priority Items</h2>
    <ol>
        <li>Rice</li>
        <li>Milk</li>
        <li>Vegetables</li>
        <li>Cooking Oil</li>
    </ol>

    <h2>Optional Items</h2>
    <ul>
        <li>Snacks</li>
        <li>Ice cream</li>
        <li>Soft drinks</li>
    </ul>

</body>
</html>
```

Code Screenshot :

```
Sample > Feb_16 > ⚡ Grocery.html > ...
1  <!-- Sana Naveen -->
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <title>Weekly Grocery Checklist</title>
7  </head>
8  <body>
9
10
11      <h1> Weekly Grocery Checklist </h1>
12
13
14      <h2>High-Priority Items</h2>
15      <ol>
16          <li>Rice</li>
17          <li>Milk</li>
18          <li>Vegetables</li>
19          <li>Cooking Oil</li>
20      </ol>
21
22      <h2>Optional Items</h2>
23      <ul>
24          <li>Snacks</li>
25          <li>Ice cream</li>
26          <li>Soft drinks</li>
27      </ul>
28
29  </body>
30  </html>
31
```

Output Screenshot :



Weekly Grocery Checklist

High-Priority Items

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

Optional Items

- Snacks
- Ice cream
- Soft drinks

Explanation :

This HTML code creates a simple grocery checklist webpage using the standard HTML5 structure. The `<!DOCTYPE html>` declaration specifies the document type, and the `<html>`, `<head>`, and `<body>` tags organize the page structure. The `<title>` sets the browser tab name. Inside the body, a main heading displays the page title. An ordered list (``) is used to show high-priority grocery items in numbered format, while an unordered list (``) displays optional items with bullet points.

Problem 4

Problem Statement :

A company wants a basic onboarding page for new employees that HR can later style using CSS.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Employee Onboarding Page</title>
</head>

<body>

<header title="Company Introduction">
    <h1>Sas Technologies</h1>
    <p>Welcome to the company! We are excited to have you onboard.</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>Emp11</td>
            <td>Naveen Reddy</td>
            <td>Software Development</td>
            <td>01-Feb-2026</td>
        </tr>
    </table>
</section>

<article title="Company Policies">
    <h2>Company Policies</h2>

    <ol>
        <li>Working hours: 9:00 AM – 6:00 PM</li>
        <li>Leave policy: 12 paid leaves per year</li>
        <li>Code of conduct: Maintain professionalism and teamwork</li>
    </ol>
</article>
```

```
</ol>
</article>

<section title="Facilities Provided by Company">
    <h2>Facilities Provided</h2>

    <ul>
        <li>Laptop</li>
        <li>Internet access</li>
        <li>Training materials</li>
    </ul>
</section>

<footer title="Contact Information">
    <p>
        Contact HR: sastech.com <br>
        Phone: +91 98765 43210
    </p>
</footer>

</body>
</html>
```

Code Screenshot :

```
Sample > Feb_16 > Employee.html > html > body > footer > p
1   <!-- Sana Naveen -->
2   <!DOCTYPE html>
3   <!DOCTYPE html>
4   <html lang="en">
5     <head>
6       <meta charset="UTF-8">
7       <title>Employee Onboarding Page</title>
8     </head>
9
10    <body>
11      <header title="Company Introduction">
12        <h1>Sas Technologies</h1>
13        <p>Welcome to the company! We are excited to have you onboard.</p>
14      </header>
15
16      <section title="Employee Details Section">
17        <h2>Employee Information</h2>
18
19        <table border="1" title="Employee Information Table">
20          <tr>
21            <th>Employee ID</th>
22            <th>Name</th>
23            <th>Department</th>
24            <th>Joining Date</th>
25          </tr>
26          <tr>
27            <td>Emp11</td>
28            <td>Naveen Reddy</td>
29            <td>Software Development</td>
30            <td>01-Feb-2026</td>
31          </tr>
32        </table>
33      </section>
34
35
36      <article title="Company Policies">
37        <h2>Company Policies</h2>
38
39        <ol>
40          <li>Working hours: 9:00 AM - 6:00 PM</li>
41          <li>Leave policy: 12 paid leaves per year</li>
42          <li>Code of conduct: Maintain professionalism and teamwork</li>
43        </ol>
44      </article>
45
46      <section title="Facilities Provided by Company">
47        <h2>Facilities Provided</h2>
48
49        <ul>
50          <li>Laptop</li>
51          <li>Internet access</li>
52          <li>Training materials</li>
53        </ul>
54      </section>
55
56      <footer title="Contact Information">
57        <p>
58          Contact HR: sastech.com <br>
59          Phone: +91 98765 43210
60        </p>
61      </footer>
62    </body>
63  </html>
```

OutPut Screenshot :



Sas Technologies

Welcome to the company! We are excited to have you onboard.

Employee Information

Employee ID	Name	Department	Joining Date
Emp11	Naveen Reddy	Software Development	01-Feb-2026

Company Policies

Company Policies

1. Working hours: 9:00 AM – 6:00 PM
2. Leave policy: 12 paid leaves per year
3. Code of conduct: Maintain professionalism and teamwork

Facilities Provided

- Laptop
- Internet access
- Training materials

Contact HR: sastech.com
Phone: +91 98765 43210

Explanation :

This HTML document creates an employee onboarding webpage using the standard HTML5 structure. The `<!DOCTYPE html>` declaration defines the document type (note: it is written twice here, but it should appear only once). The `<head>` section sets the character encoding and page title. Inside the `<body>`, structured sections are organised using `<header>`, `<section>`, `<article>`, and `<footer>`. A table displays employee details in rows and columns, while ordered and unordered lists present company policies and facilities.

Problem 5

Problem Statement :

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:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Electronics Department - KLU College</title>
</head>

<body>
    <header title="Department Header">
        <h1>Electronics Science</h1>
        <h2>KLU College of Engineering</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>Dr. Raj Kumar</td>
                <td>Professor</td>
                <td>Data Structures</td>
            </tr>
            <tr>
                <td>Ms. Anushka Sharma</td>
                <td>Assistant Professor</td>
                <td>Database Management Systems</td>
            </tr>
            <tr>
                <td>Mr. Kholi</td>
                <td>Lecturer</td>
                <td>Operating Systems</td>
            </tr>
        </table>
```

```
</section>
<section title="Subjects Offered Section">
    <h3>Subjects Offered</h3>

    <ul>
        <li>Data Structures</li>
        <li>Database Management Systems</li>
        <li>Operating Systems</li>
    </ul>
</section>
```

```
<section title="Weekly Timetable Section">
    <h3>Weekly Timetable</h3>

    <table border="1" >
        <tr>
            <th>Day</th>
            <th>Subject</th>
            <th>Time Slot</th>
        </tr>
        <tr>
            <td>Monday</td>
            <td>Data Structures</td>
            <td>9:00 AM - 10:00 AM</td>
        </tr>
        <tr>
            <td>Tuesday</td>
            <td>Database Management Systems</td>
            <td>10:00 AM - 11:00 AM</td>
        </tr>
        <tr>
            <td>Wednesday</td>
            <td>Operating Systems</td>
            <td>11:00 AM - 12:00 PM</td>
        </tr>
    </table>
</section>
<footer title="College Contact Information">
    <p>
        Klu College of Engineering <br>
        Silk Board, Bangalore, Karnataka <br>
        Email: klucollege.edu <br>
        Phone: +91 98765 4321
    </p>
</footer>
</body>
</html>
```

Code Screenshots :

```
Sample > Feb_16 > college.html > ...
1   <!-- Sana Naveen -->
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5       <meta charset="UTF-8">
6       <title>Electronics Department - KLU College</title>
7   </head>
8
9   <body>
10      <header title="Department Header">
11          <h1>Electronics Science</h1>
12          <h2>KLU College of Engineering</h2>
13      </header>
14
15
16      <section title="Faculty Details Section">
17          <h3>Faculty Details</h3>
18
19          <table border="1" title="Faculty Information Table">
20              <tr>
21                  <th>Faculty Name</th>
22                  <th>Designation</th>
23                  <th>Subject Handled</th>
24              </tr>
25              <tr>
26                  <td>Dr. Raj Kumar</td>
27                  <td>Professor</td>
28                  <td>Data Structures</td>
29              </tr>
30              <tr>
31                  <td>Ms. Anushka Sharma</td>
32                  <td>Assistant Professor</td>
33                  <td>Database Management Systems</td>
34              </tr>
35              <tr>
36                  <td>Mr. Kholi</td>
37                  <td>Lecturer</td>
38                  <td>Operating Systems</td>
39              </tr>
40          </table>
41      </section>
42
43
44      <section title="Subjects Offered Section">
45          <h3>Subjects Offered</h3>
46
47          <ul>
48              <li>Data Structures</li>
49              <li>Database Management Systems</li>
50              <li>Operating Systems</li>
51          </ul>
52      </section>
53
54
55      <section title="Weekly Timetable Section">
56          <h3>Weekly Timetable</h3>
57
58          <table border="1" >
59              <tr>
60                  <th>Day</th>
61                  <th>Subject</th>
62                  <th>Time Slot</th>
63              </tr>
```

```
63      </tr>
64      <tr>
65          <td>Monday</td>
66          <td>Data Structures</td>
67          <td>9:00 AM – 10:00 AM</td>
68      </tr>
69      <tr>
70          <td>Tuesday</td>
71          <td>Database Management Systems</td>
72          <td>10:00 AM – 11:00 AM</td>
73      </tr>
74      <tr>
75          <td>Wednesday</td>
76          <td>Operating Systems</td>
77          <td>11:00 AM – 12:00 PM</td>
78      </tr>
79  </table>
80 </section>
81
82
83 <footer title="College Contact Information">
84     <p>
85         Klu College of Engineering <br>
86         Silk Board, Bangalore, Karnataka <br>
87         Email: klucollege.edu <br>
88         Phone: +91 98765 4321
89     </p>
90 </footer>
91
92 </body>
93 </html>
```

Out Screenshot :

Electronics Science

KLU College of Engineering

Faculty Details

Faculty Name	Designation	Subject Handled
Dr. Raj Kumar	Professor	Data Structures
Ms. Anushka Sharma	Assistant Professor	Database Management Systems
Mr. Kholi	Lecturer	Operating Systems

Subjects Offered

- Data Structures
- Database Management Systems
- Operating Systems

Weekly Timetable

Subjects Offered S

Day	Subject	Time Slot
Monday	Data Structures	9:00 AM - 10:00 AM
Tuesday	Database Management Systems	10:00 AM - 11:00 AM
Wednesday	Operating Systems	11:00 AM - 12:00 PM

Klu College of Engineering
Silk Board, Bangalore, Karnataka
Email: klucollege.edu
Phone: +91 98765 4321

Explanation :

This HTML code builds a department information webpage using the standard HTML5 structure. The `<!DOCTYPE html>` declaration defines the document type, and the `<head>` section sets the character encoding and page title. Inside the `<body>`, the content is organised into different sections. The `<header>` displays the department and college name. Multiple `<section>` elements group faculty details, subjects offered, and the weekly timetable. Tables are used to present faculty and timetable data in rows and columns using `<tr>`, `<th>`, and `<td>`. An unordered list shows the subjects offered. The `<footer>` contains the college's contact information.

