

# HTML5\_Day1\_Hands\_On\_Koduru\_Ushasree

## Problem 1

**Assessment Goal:** Check if learners understand basic HTML structure and content creation.

### **Hands-on Tasks:**

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

### **Expected Outcome:**

A static HTML page that displays structured content correctly in the browser.

### **Technical Requirements**

We need to create a simple webpage using basic HTML only. The page must start with the proper HTML5 structure including `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>` tags so that it runs correctly in a browser.

Inside the page, we should add a main heading using the `<h1>` tag and write a small paragraph introducing ourselves using the `<p>` tag.

Then, we need to display our hobbies using a bullet list, which can be created using the `<ul>` tag and `<li>` tags for each hobby item.

After that, we should show our daily routine using a numbered list created with the `<ol>` tag and `<li>` tags.

Finally, we must create a table to display student information such as student name, subject, and marks. This can be done using the `<table>` tag, `<tr>` for rows, `<th>` for table headings, and `<td>` for table data.

All tags must be properly opened and closed, and the file should be saved with a .html extension. No CSS or JavaScript is required.

**Code :-**

```
↳ p1.html > html > body
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <title>My Personal Webpage</title>
5     </head>
6     <body title="Personal Information Page">
7       <h1>Welcome to My Page</h1>
8         | <p>Hello! My name is Usha. I am a student learning web development.</p>
9         | <h2>My Hobbies</h2>
10        | <ul>
11          |   <li>Reading books</li>
12          |   <li>Listening to music</li>
13        | </ul>
14        | <h2>My Daily Routine</h2>
15        | <ol>
16          |   <li>Wake up early</li>
17          |   <li>Study</li>
18          |   <li>Attend classes</li>
19        | </ol>
20        | <h2>Student Marks</h2>
21        | <table border="1" >
22          |   <tr>
23            |     <th>Student Name</th>
24            |     <th>Subject</th>
25            |     <th>Marks</th>
26          |   </tr>
27          |   <tr>
28            |     <td>Usha</td>
29            |     <td>Java</td>
30            |     <td>90</td>
31          |   </tr>
32          |   <tr>
33            |     <td>Sree</td>
34            |     <td>HTML</td>
35            |     <td>95</td>
36          |   </tr>
37        | </table>
```

**Output :-**

# Welcome to My Page

Hello! My name is Usha. I am a student learning web development.

## My Hobbies

- Reading books
- Listening to music
- Coding
- Watching movies

## My Daily Routine

1. Wake up early
2. Study
3. Attend classes
4. Practice coding
5. Sleep

## Student Marks

Student Name	Subject	Marks
Usha	Java	90
Sree	HTML	95

**Problem 2:** Restaurant Menu Webpage (Level-1)

### Scenario

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

## Requirements

Create an HTML page that displays:

1. Restaurant Name (Heading)
2. About the Restaurant (Paragraph)
3. Menu Categories (Unordered List)
4. Price List (Table)

## Table Structure

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

## Technical Constraints

- Use proper HTML boilerplate
- Use at least 5 HTML elements
- Use HTML attributes such as border, title, align
- Use:
  - <table>, <tr>, <th>, <td>
  - <ul> and <li>

## Learning Outcome

You should be able to:

- Build a complete HTML page structure
- Use tables for structured data
- Use lists for grouped information

Code :-

```
◊ p2.html > html > body > h1
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |  <title>Spicy Delight Restaurant</title>
5  </head>
6  <body>
7  <h1>Spicy Delight Restaurant</h1>
8  <p>We offer delicious and fresh food prepared with quality ingredients and authentic taste.</p>
9  <h2>Menu Categories</h2>
10 <ul>
11   <li>Breakfast</li>
12   <li>Main Course</li>
13   <li>Beverages</li>
14   <li>Desserts</li>
15 </ul>
16 <h2>Price List</h2>
17 <table border="1">
18   <tr>
19     <th>Item Name</th>
20     <th>Category</th>
21     <th>Price (₹)</th>
22   </tr>
23   <tr>
24     <td>Paneer Butter Masala</td>
25     <td>Main Course</td>
26     <td>220</td>
27   </tr>
28   <tr>
29     <td>Veg Biryani</td>
30     <td>Main Course</td>
31     <td>180</td>
32   </tr>
33   <tr>
34     <td>Masala Dosa</td>
35     <td>Breakfast</td>
36     <td>90</td>
37   </tr>
```

## Technical Requirements

We need to create a basic restaurant menu webpage using only HTML. The page must begin with the proper HTML structure including `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>` tags.

Inside the webpage, we should display the restaurant name using a heading tag such as `<h1>` and write a short description about the restaurant using the `<p>` tag.

Next, we need to display the menu categories such as breakfast, main course, beverages, and desserts using an unordered list created with `<ul>` and `<li>` tags.

Then, we must create a table to show the price list of food items. The table should include columns such as item name, category, and price. This can be created using `<table>`, `<tr>`, `<th>`, and `<td>` tags.

We should also use HTML attributes such as border, align, and title where required.

**Output :-**

# Spicy Delight Restaurant

We offer delicious and fresh food prepared with quality ingredients and authentic taste.

## Menu Categories

- Breakfast
- Main Course
- Beverages
- Desserts

## Price List

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

## Problem 3: Personal Grocery Checklist (Level-1)

### Scenario

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.

### Requirements

Create an HTML webpage that includes:

1. A page title:  
Weekly Grocery Checklist

2. A main heading displaying the same title.
3. An Ordered List showing high-priority grocery items, such as:
  - o Rice
  - o Milk
  - o Vegetables
  - o Cooking Oil
4. An Unordered List showing optional or non-essential items, such as:
  - o Snacks
  - o Ice cream
  - o Soft drinks

### Technical Constraints

- Use proper HTML boilerplate:
  - o <!DOCTYPE html>
  - o <html>, <head>, <body>
- Use:
  - o <ol> and <ul> correctly
  - o <li> for each item
- Add at least one HTML attribute (example: title)
- Ensure proper indentation and readability

### Learning Outcome

You will be able to:

- Create structured content using HTML lists
- Choose the correct list type based on real-world requirements
- Understand how HTML represents logical order and grouping
- Build confidence in writing basic but meaningful HTML pages

**Code :-**

```
④ p3.html > ⏺ html > ⏺ body > ⏺ h1
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4     <title>Weekly Grocery Checklist</title>
5   </head>
6   <body title="Grocery Checklist Page">
7
8     <h1>Weekly Grocery Checklist</h1>
9
10    <h2>High Priority Items</h2>
11
12    <ol>
13      <li>Rice</li>
14      <li>Milk</li>
15      <li>Vegetables</li>
16      <li>Cooking oil</li>
17    </ol>
18
19    <h2>Optional Items</h2>
20
21    <ul>
22      <li>Snacks</li>
23      <li>Ice cream</li>
24      <li>Soft drinks</li>
25    </ul>
26
27  </body>
28 </html>
29
```

## Technical Requirements :-

We need to create a simple grocery checklist webpage using basic HTML. The webpage must start with the proper HTML structure including `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>` tags. Inside the page, we should display the title "Weekly Grocery Checklist" using the `<title>` tag in the head section and also display the same title as a heading using the `<h1>` tag in the body.

Next, we need to display high-priority grocery items using an ordered list created with `<ol>` and `<li>` tags. This is used because these items have an important order. Then, we should display optional grocery items using an unordered list created with `<ul>` and `<li>` tags.

**Output :-**

# Weekly Grocery Checklist

## High Priority Items

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

## Optional Items

- Snacks
- Ice cream
- Soft drinks

## Problem 4: Employee Onboarding Page (Level-2)

### Scenario

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

### Requirements

#### Use Semantic HTML:

- `<header>` → Company name & welcome message
- `<section>` → Employee details
- `<article>` → Company policies
- `<footer>` → Contact information

```
↳ p4.html > ⏷ html > ⏷ body > ⏷ section > ⏷ table
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <title>Employee Onboarding</title>
5   </head>
6   <body>
7
8   <header>
9       <h1>ABC Company</h1>
10      <p>Welcome to the Employee Onboarding Page</p>
11  </header>
12
13 <section title="Employee Details">
14
15     <h2>Employee Information</h2>
16
17     <table border="1">
18
19         <tr>
20             <th>Employee ID</th>
21             <th>Name</th>
22             <th>Department</th>
23             <th>Joining Date</th>
24         </tr>
25
26         <tr>
27             <td>101</td>
28             <td>Usha</td>
29             <td>IT</td>
30             <td>01-01-2026</td>
31         </tr>
32     </table>
33 </section>
34 <article>
35     <h2>Company Policies</h2>
36     <ol>
37         <li>Working hours: 9 AM - 6 PM</li>
```

```
38     |         <li>Leave policy: 12 leaves per year</li>
39     |         <li>Code of conduct must be followed</li>
40     |     </ol>
41     |     <h2>Facilities Provided</h2>
42     |     <ul>
43     |         <li>Laptop</li>
44     |         <li>Internet access</li>
45     |         <li>Training materials</li>
46     |     </ul>
47   </article>
48   <footer>
49     <p>Contact: hr@abccompany.com</p>
50   </footer>
51 </body>
52 </html>
```

## Technical Requirements

We need to create an employee onboarding webpage using semantic HTML tags. The page must start with the proper HTML structure including `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>` tags.

We should use the `<header>` tag to display the company name and welcome message. Next, we need to use a `<section>` tag to display employee information in a table format.

The table should include employee ID, name, department, and joining date using `<table>`, `<tr>`, `<th>`, and `<td>` tags.

Then, we should use an `<article>` tag to display company policies using an ordered list created with `<ol>` and `<li>` tags.

We should also display facilities provided to employees using an unordered list created with `<ul>` and `<li>` tags.

Finally, we need to use the `<footer>` tag to display contact information.

Output :-

# ABC Company

Welcome to the Employee Onboarding Page

## Employee Information

Employee ID	Name	Department	Joining Date
101	Usha	IT	01-01-2026

## Company Policies

1. Working hours: 9 AM - 6 PM
2. Leave policy: 12 leaves per year
3. Code of conduct must be followed

## Facilities Provided

- Laptop
- Internet access
- Training materials

Contact: [hr@abccompany.com](mailto:hr@abccompany.com)

## Problem 5: College Department Information Page (Level-2)

### Scenario

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 :-

```
↳ p5.html > ⏷ html > ⏷ body > ⏷ section
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4     <title>Computer Science Department</title>
5   </head>
6   <body>
7
8   <header>
9     <h1>Computer Science Department</h1>
10    <p>XYZ College</p>
11  </header>
12  <section>
13    <h2>Faculty Details</h2>
14    <table border="1">
15      <tr>
16        <th>Faculty Name</th>
17        <th>Designation</th>
18        <th>Subject Handled</th>
19      </tr>
20      <tr>
21        <td>Dr. Rao</td>
22        <td>Professor</td>
23        <td>Java</td>
24      </tr>
25      <tr>
26        <td>Ms. Priya</td>
27        <td>Assistant Professor</td>
28        <td>HTML</td>
29      </tr>
30    </table>
31  </section>
32  <section>
33    <h2>Subjects Offered</h2>
34    <ul>
35      <li>Java</li>
36      <li>HTML</li>
37      <li>Database Management</li>
```

```
38 |     |     <li>Operating Systems</li>
39 |     |   </ul>
40 |   </section>
41 <section>
42 |     <h2>Weekly Timetable</h2>
43 |     <table border="1">
44 |       <tr>
45 |         <th>Day</th>
46 |         <th>Subject</th>
47 |         <th>Time Slot</th>
48 |       </tr>
49 |       <tr>
50 |         <td>Monday</td>
51 |         <td>Java</td>
52 |         <td>10 AM - 11 AM</td>
53 |       </tr>
54 |       <tr>
55 |         <td>Tuesday</td>
56 |         <td>HTML</td>
57 |         <td>11 AM - 12 PM</td>
58 |       </tr>
59     </table>
60   </section>
61   <footer>
62     <p>Address: XYZ College, Hyderabad</p>
63     <p>Contact: 9876543210</p>
64   </footer>
65   </body>
66 </html>
67
```

## Technical Requirements

We need to create a college department information webpage using basic HTML and semantic tags. The page must begin with the proper HTML structure including <!DOCTYPE html>, <html>, <head>, and <body> tags.

We should use the <header> tag to display the department name and college name.

Next, we need to use a <section> tag to display faculty details in a table format. The table should include columns such as faculty name, designation, and subject handled using <table>, <tr>, <th>, and <td> tags.

Then, we should use another <section> tag to display the subjects offered using an unordered list created with <ul> and <li> tags.

After that, we need to create another table inside a <section> tag to display the weekly timetable, including day, subject, and time slot.

Finally, we should use the <footer> tag to display the college address and contact information.

**Output :-**

# Computer Science Department

XYZ College

## Faculty Details

Faculty Name	Designation	Subject Handled
Dr. Rao	Professor	Java
Ms. Priya	Assistant Professor	HTML

## Subjects Offered

- Java
- HTML
- Database Management
- Operating Systems

## Weekly Timetable

Day	Subject	Time Slot
Monday	Java	10 AM - 11 AM
Tuesday	HTML	11 AM - 12 PM

Address: XYZ College, Hyderabad

Contact: 9876543210