

Assignment 02:

Title: Creating Lists in HTML

Objective: To use different types of lists.

Tasks: Design a webpage using ordered lists, unordered lists, and definition lists to display structured information.

Software Required:

1. Notepad (or any text editor)
2. Any web browser (Google Chrome / Edge / Firefox)

Procedure:

Step 1: Open Notepad (or any text editor).

Step 2: Create new file.

Step 3: Save the file as

- File Name: assignment2.html
- Save as type: All Files
- Encoding: UTF-8
- Location: Desktop or your project folder

Step 4: Type the HTML program using

Concept	Tags Introduced
Ordered List	, , start, reversed, type
Unordered List	, , type
Definition List	<dl>, <dt>, <dd>
Nested List	/ inside another list
Page layout	<h1>...<h3>, <p>, <hr>, <footer>
Comments	<!-- comment -->

Step 5: Study the example code given in each question.

Step 6: Then complete the Student Activity task that follows.

Step 7: Save all your work in one file named assignment2.html.

Step 8: Open the file in your browser to check output after each task.

Step 7: Run assignment2.html in any web browser

Note: Use comments (<!-- -->) to label each question in your code.

Question 1: Ordered List (Default Numbers)

Example:

```
<h2>1. Ordered List Example</h2>
<ol>
    <li>HTML</li>
    <li>CSS</li>
    <li>JavaScript</li>
</ol>
```

Student Activity:

Create an ordered list of 5 daily activities (like “Wake up”, “Breakfast”, etc.).

Use the `` and `` tags properly.

Question 2: Ordered List with Type and Start

Example:

```
<ol type="A" start="3">
    <li>Introduction</li>
    <li>Methods</li>
    <li>Results</li>
</ol>
```

Student Activity:

Create an ordered list using Roman numerals (type="I"), starting from 5.

List any 4 school subjects.

Question 3: Unordered List (Default Bullets)

Example:

```
<ul>
  <li>Apple</li>
  <li>Banana</li>
  <li>Orange</li>
</ul>
```

Student Activity:

Create an unordered list of your 5 favorite movies.

Question 4: Unordered List with Different Bullet Types

Example:

```
<ul type="square">
  <li>Keyboard</li>
  <li>Mouse</li>
  <li>Monitor</li>
</ul>
```

Student Activity:

Create a list of electronic gadgets using type="circle".

Question 5: Definition List

Example:

```
<dl>
  <dt>HTML</dt>
  <dd>It is a markup language used for web pages.</dd>
  <dt>CSS</dt>
  <dd>It styles the structure of web pages.</dd>
</dl>
```

Student Activity:

Create a definition list for at least three terms: Computer, Hardware, Software.

Question 6: Nested List (List inside List)

Example:

```
<ul>
  <li>Programming Languages
    <ul>
      <li>Python</li>
      <li>Java</li>
      <li>C++</li>
    </ul>
  </li>
</ul>
```

Student Activity:

Create a nested list showing Course → Subjects → Topics (3 levels).

Question 7: Mixed List (Ordered + Unordered)

Example:

```
<ol>
  <li>Frontend Technologies
    <ul>
      <li>HTML</li>
      <li>CSS</li>
    </ul>
  </li>
  <li>Backend Technologies
    <ul>
      <li>Python</li>
      <li>Node.js</li>
    </ul>
  </li>
</ol>
```

Student Activity:

Create a mixed list of any two categories of your choice (e.g., Fruits/Vegetables, Indoor/Outdoor Games).

Question 8: Ordered List with Reversed Attribute

Example:

```
<ol reversed>
    <li>Gold Medal</li>
    <li>Silver Medal</li>
    <li>Bronze Medal</li>
</ol>
```

Student Activity:

Create a reversed ordered list showing the Top 5 ranks of your class.

Question 9: Nested Definition List

Example:

```
<dl>
    <dt>Computer</dt>
    <dd>Electronic device that processes data.
        <dl>
            <dt>Input Devices</dt>
            <dd>Keyboard, Mouse</dd>
            <dt>Output Devices</dt>
            <dd>Monitor, Printer</dd>
        </dl>
    </dd>
</dl>
```

Student Activity:

Create a nested definition list for “Vehicle” → “Types” → “Examples”.

Question 10: Creative List (Student’s Own Design)

Example:

<h2>My Travel Bucket List</h2>

- Goa
- Manali
- Kashmir

Student Activity:

Design your own creative list page using any combination of , , and <dl>.

Example ideas:

- Shopping list
- Travel destinations
- Learning goals
- Favorite apps or websites

Add a footer with your **name and date**.

assignment2.html

```
1      <!--
2          Assignment 02: Creating Lists in HTML
3          Objective: To use different types of lists.
4          Task: Design a webpage using ordered lists, unordered lists, and definition lists
5              to display structured information.
6          Course: VSEC-101-CA: HTML and Webpage Designing
7          College: APIMR, Landewadi
8          University: Savitribai Phule Pune University
9      -->
10
11      <!DOCTYPE html> <!-- Declares that the document type is HTML5 -->
12      <html>
13          <head>
14              <!-- The <head> section contains metadata and the title of the page -->
15              <title>Creating Lists in HTML</title>
16          </head>
17
18          <!-- The visible content of the webpage begins inside the <body> tag -->
19          <body bgcolor="#f5fcff" text="#000000"> <!-- Sets a light background color and black text -->
20
21              <!-- Heading section -->
22              <h1 align="center">Creating Lists in HTML</h1>
23              <h2 align="center">Savitribai Phule Pune University</h2>
24              <h3 align="center">Course: VSEC-101-CA: HTML and Webpage Designing</h3>
25              <hr color="blue" size="3">
26
27              <!-- Paragraph introduction -->
28              <p>
29                  In this webpage, we will learn how to use different types of lists in HTML.
30                  Lists help in organizing information clearly and neatly.
31                  HTML provides three types of lists:
32                  <b>Ordered Lists</b>, <b>Unordered Lists</b>, and <b>Definition Lists</b>.
33              </p>
```

```
34
35     <!-- Example 1: Ordered List -->
36     <h3>Example 1: Ordered List (Numbered List)</h3>
37     <p>This list displays items in a specific order using numbers.</p>
38
39     <!-- Ordered list starts with <ol> -->
40     <ol>
41         <li>HTML - Structure of a webpage</li>
42         <li>CSS - Styling of a webpage</li>
43         <li>JavaScript - Adds interactivity</li>
44         <li>Python - Backend programming</li>
45     </ol>
46
47     <!-- Example 2: Unordered List -->
48     <h3>Example 2: Unordered List (Bulleted List)</h3>
49     <p>This list displays items using bullets, and order doesn't matter.</p>
50
51     <!-- Unordered list starts with <ul> -->
52     <ul>
53         <li>Pen</li>
54         <li>Pencil</li>
55         <li>Eraser</li>
56         <li>Sharpener</li>
57     </ul>
58
59     <!-- Example 3: Nested List -->
60     <h3>Example 3: Nested List (List inside another list)</h3>
61     <p>A nested list can include multiple levels of ordered and unordered lists.</p>
62
63     <!-- Nested list example -->
64     <ol>
65         <li>Fruits
66             <ul>
67                 <li>Apple</li>
68                 <li>Banana</li>
69                 <li>Mango</li>
```

```
70      </ul>
71    </li>
72    <li>Vegetables
73      <ul>
74        <li>Tomato</li>
75        <li>Carrot</li>
76        <li>Spinach</li>
77      </ul>
78    </li>
79  </ol>
80
81  <!-- Example 4: Definition List -->
82  <h3>Example 4: Definition List</h3>
83  <p>This list is used to define terms and their meanings.</p>
84
85  <!-- Definition list starts with <dl>, each term with <dt> and definition with <dd> -->
86  <dl>
87    <dt><b>HTML</b></dt>
88    <dd>HyperText Markup Language – used to create webpage structure.</dd>
89
90    <dt><b>CSS</b></dt>
91    <dd>Cascading Style Sheets – used to design and style webpages.</dd>
92
93    <dt><b>JavaScript</b></dt>
94    <dd>A scripting language that adds dynamic behavior to webpages.</dd>
95  </dl>
96
97  <hr>
98
99  <!-- Footer section -->
100 <footer>
101  <p align="center">
102    Created by: <b>Student Name</b><br>
103    Course Code: VSEC-101-CA<br>
104    College: APIMR, Landewadi<br>
105    &copy; 2025 Savitribai Phule Pune University
```

```
106      </p>
107      </footer>
108
109      </body>
110      </html>
```

Output:

Creating Lists in HTML

Savitribai Phule Pune University

Course: VSEC-101-CA: HTML and Webpage Designing

In this webpage, we will learn how to use different types of lists in HTML. Lists help in organizing information clearly and neatly. HTML provides three types of lists: **Ordered Lists**, **Unordered Lists**, and **Definition Lists**.

Example 1: Ordered List (Numbered List)

This list displays items in a specific order using numbers.

1. HTML - Structure of a webpage
2. CSS - Styling of a webpage
3. JavaScript - Adds interactivity
4. Python - Backend programming

Example 2: Unordered List (Bulleted List)

This list displays items using bullets, and order doesn't matter.

- Pen
- Pencil
- Eraser
- Sharpener

Example 3: Nested List (List inside another list)

A nested list can include multiple levels of ordered and unordered lists.

1. Fruits
 - Apple
 - Banana
 - Mango
2. Vegetables
 - Tomato
 - Carrot
 - Spinach

Example 4: Definition List

This list is used to define terms and their meanings.

HTML

HyperText Markup Language – used to create webpage structure.

CSS

Cascading Style Sheets – used to design and style webpages.

JavaScript

A scripting language that adds dynamic behavior to webpages.