

Practical No: 1

Aim: Write a HTML program for the demonstration of Lists.

- a. Unordered List
- b. Ordered List
- c. Definition List
- d. Nested List

Theory:

1. Unordered List ():

- An unordered list is used to represent a collection of items that do not have a specific order.
- Each item in the list is marked with a bullet point or some other marker (like a square, circle, or custom image).
- It is created using the tag, and each list item is represented by the (list item) tag.

Html code

```
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ul>
```

2. Ordered List ():

- An ordered list is used to represent a collection of items that have a specific order or sequence.
- Each item in the list is assigned a number (by default) or another ordered marker.
- It is created using the tag, and each list item is represented by the (list item) tag.

Html code

```
<ol>
  <li>First item</li>
  <li>Second item</li>
  <li>Third item</li>
</ol>
```

3. Definition List (<dl>):

- A definition list is used to represent a list of terms and their corresponding definitions.
- It consists of term-description pairs, where each term is enclosed within a <dt> (definition term) tag, and each definition is enclosed within a <dd> (definition description) tag.

Html code

```
<dl>
  <dt>HTML</dt>
  <dd>HyperText Markup Language</dd>
  <dt>CSS</dt>
  <dd>Cascading Style Sheets</dd>
  <dt>JS</dt>
  <dd>JavaScript</dd>
</dl>
```

4. Nested List:

- A nested list is a list that is embedded within another list.
- It can be a nested unordered list, a nested ordered list, or a combination of both.
- Nested lists are created by placing a list (, , or <dl>) inside a list item () of another list.

Html code

```
<ul>
  <li>Main Item 1
    <ul>
      <li>Subitem 1.1</li>
      <li>Subitem 1.2</li>
    </ul>
  </li>
```

```

    <li>Main Item 2
      <ul>
        <li>Subitem 2.1</li>
        <li>Subitem 2.2
          <ul>
            <li>Sub-subitem 2.2.1</li>
            <li>Sub-subitem 2.2.2</li>
          </ul>
        </li>
      </ul>
    </li>
    <li>Main Item 3</li>
  </ul>

```

Program :

```

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

  <h2>Unordered List:</h2>
  <ul>
    <li>Apple</li>
    <li>Orange</li>
    <li>Banana</li>
  </ul>

  <h2>Ordered List:</h2>
  <ol>
    <li>First item</li>
    <li>Second item</li>
    <li>Third item</li>
  </ol>

  <h2>Definition List:</h2>
  <dl>
    <dt>HTML</dt>
    <dd>HyperText Markup Language</dd>

    <dt>CSS</dt>
    <dd>Cascading Style Sheets</dd>

    <dt>JS</dt>
    <dd>JavaScript</dd>
  </dl>

  <h2>Nested List:</h2>
  <ul>
    <li>Main Item 1
      <ul>
        <li>Subitem 1.1</li>

```

```

        <li>Subitem 1.2</li>
    </ul>
</li>
<li>Main Item 2
    <ol>
        <li>Subitem 2.1</li>
        <li>Subitem 2.2
            <ul>
                <li>Sub-subitem 2.2.1</li>
                <li>Sub-subitem 2.2.2</li>
            </ul>
        </li>
    </ol>
</li>
<li>Main Item 3</li>
</ul>
</body>
</html>

```

Output :

Unordered List:

- Apple
- Orange
- Banana

Ordered List:

1. First item
2. Second item
3. Third item

Definition List:

HTML	HyperText Markup Language
CSS	Cascading Style Sheets
JS	JavaScript

Nested List:

- Main Item 1
 - Subitem 1.1
 - Subitem 1.2
- Main Item 2
 1. Subitem 2.1
 2. Subitem 2.2
 - Sub-subitem 2.2.1
 - Sub-subitem 2.2.2
- Main Item 3

Result: Hence, we Successfully implemented the different types of lists in HTML and the importance of lists in organizing information on web pages.