Day - 03   Lecture - 3

Nested Lists and Tables

Nested lists — A nested list in HTML means placing one list inside another list item.

It helps to represent data in hierarchical structure (like Country → State → City)
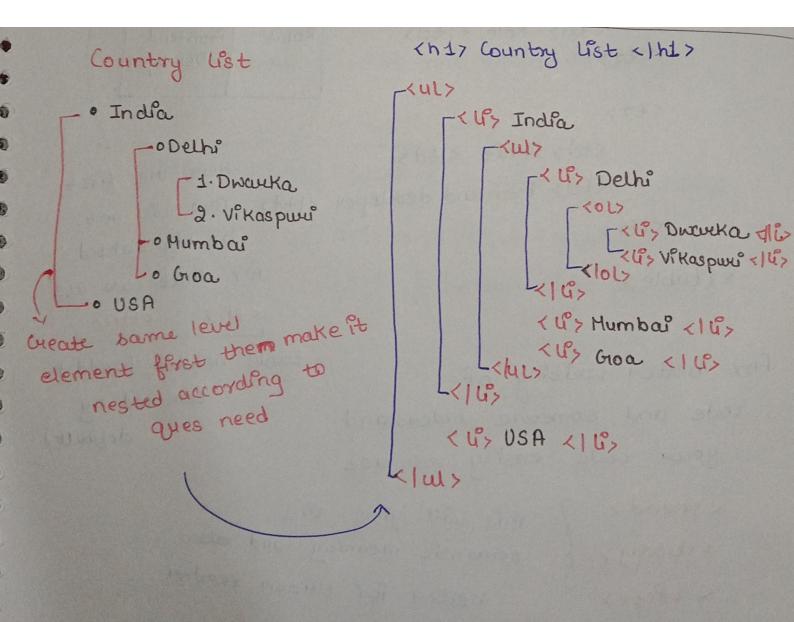
Country List
- India
- USA
- England

```
<h1> Country List </h1>
<ul>
    <li>India</li>
    <li> USA </li>
    <li>England</li>
</ul>
```

Country List

- India
  - Delhi
    1. Dwarka
    2. Vikaspuri
  - Mumbai
  - Goa
- USA

Create same level element first them make it nested according to ques need

<h1> Country List </h1>

   India

       Delhi

           Dwarka
           Vikaspuri

       Mumbai
       Goa

   USA

* Tables in HTML

A table in HTML is used to display data in rows and columns.

- Create table we use `<table>` `</table>`
- For creating row use `<tr>` `</tr>` { table row
- to insert data `<td>` `</td>` { table data

```
<table border ="1">        → add border
                            line
    <tr>
        <td> Name </td>
        <td> Role </td>
    </tr>

    <tr>
        <td> Rohit </td>
        <td> Frontend developer </td>
    </tr>

</table>
```

Name	Role
Rohit	Frontend Developer

Here the first row will not be highlighted for that we use `<th>` `</th>`

table header (bold + centered by default)

For better writing of code and someone understand your code easily so use

`<thead>`
`<tbody>`
`<tfoot>`

This will give the semantic meaning and also better for screen reader

Col 1	Col 2	Col 3
R1C1	Row1 Cell2	Row1 Cell3
	R2 C2	R2 C3
R3C1		

} for creating this kind of table where some rows and col are spanning together for that we use Rowspan and colspan attribute

Colspan and rowspan attribute are used in \<td> or \<th> to merge the columns and or rows horizontally and vertically in one cell

\<td rowspan ="2"> Row 1 Cell 1 \</td>

This will cover 2 rows one below the other

\<td colspan = "3"> Row 3 Cell 1 \</td>

This cell will cover 3 columns side by side

Colspan — merge left ⟷ right (columns)

Rowspan — merge top ↕ bottom (rows)