Basics of Web Technology

HTML LISTS

Practical-5

To study about the HTML Lists.

HTML Lists

- HTML Lists are used to specify lists of information.

- All lists may contain one or more list elements.

- There are three different types of HTML lists:

    1. Ordered List or Numbered List (ol)

    2. Unordered List or Bulleted List (ul)

    3. Description List or Definition List (dl)

- We can create a list inside another list, which will be termed as **nested List**

HTML Ordered List or Numbered List

- In the ordered HTML lists, all the list items are marked with numbers by default.

- The ordered list starts with <ol> tag and the list items start with <li> tag.

HTML Ordered List or Numbered List :Example

\<html\>   \<body\>

\<ol\>

   \<li\> Aries **\</li\>**

   \<li\> Bingo **\</li\>**

   \<li\> Leo **\</li\>**

\</ol\>

\</body\> \</html\>

OUTPUT:

1. Aries
2. Bingo
3. Leo
4. Oracle

HTML Ordered List or Numbered List

There can be different types of numbered list:

- Numeric Number(default) (1, 2, 3) e.g **\<ol type="1" > \
**

- Capital Roman Number (I II III)

- Small Romal Number (i ii iii)

- Capital Alphabet (A B C)

- Small Alphabet (a b c)

HTML Ordered List: Type Attribute

To represent different ordered lists, there are 5 types of attributes in <ol> tag.

Type	Description
Type "1"	This is the default type. In this type, the list items are numbered with numbers.
Type "I"	In this type, the list items are numbered with upper case roman numbers.
Type "i"	In this type, the list items are numbered with lower case roman numbers.
Type "A"	In this type, the list items are numbered with upper case letters.
Type "a"	In this type, the list items are numbered with lower case letters.

HTML Ordered List: reversed Attribute

- This is a Boolean attribute of HTML <ol> tag, and it is new in HTML5 version.

- If you use the reversed attribute with tag then it will numbered the list in descending order (7, 6, 5, 4……1).

HTML Ordered List: Example

<html>   <body>

<ol reversed>

** HTML   CSS   JavaScript
**

**
**

</body> </html>

Practical-5-Exercise-1

- Create a webpage that displays the use of HTML ordered List.

- Your output of the web page should include

- Your friends Name in Number format [1,2…],

- your Favourite TV show's Name in small Roman list format[i,ii,iii,…],

- your favourite food names in capital Roman list format[I,II,III….],

- popular country names in [A,B,C…..] format.

Exercise-1 :Output

HTML Ordered List Example

Closed Friends

1. ABC
2. DEF
3. GHI
4. JKL

Favourite TV shows

i. Money Hiest
ii. Friends
iii. Games of Thrones
iv. Strangr Things

Favourite food

I. Pizza
II. Pasta
III. Burger
IV. Spring rolls

Country Names

A. India
B. Australia
C. Switzerland
D. Europe

HTML Ordered List: start Attribute

- You can use start attribute for <ol> tag to specify the starting point of numbering you need

- <ol type = "1" start = "4"> - Numerals starts with 4.

- <ol type = "I" start = "4"> - Numerals starts with IV.

- <ol type = "i" start = "4"> - Numerals starts with iv.

- <ol type = "a" start = "4"> - Letters starts with d.

- <ol type = "A" start = "4"> - Letters starts with D.

HTML Ordered List: Example

```html
<html> <body>

<ol type = "i" start = "4">

    <li>Beetroot</li>

    <li>Ginger</li>

    <li>Potato</li>

</ol>

 </body> </html>
```

OUTPUT :

iv. Beetroot
v. Ginger
vi. Potato

HTML List Tag: Value Attribute

- The value attribute sets the value of a list item.

- The following list items will increment from that number.

- The value must be a number and can only be used in ordered lists (<ol>).

- `<li value="number">`

HTML List Tag: Value Attribute

<html> <body>

    <li value="100">Coffee**
**

    **
Tea
**

    **
Milk
**

**
**

</body> </html>

OUTPUT:

100. Coffee
101. Tea
102. Milk

Practical-5-Exercise-2

Create a HTML web page which displays your Educational details in the following Format.

Educational details

Standard	Percentage	City
4. STD-4	80%	Gandhinagar
5. STD-5	80%	Gandhinagar
6. STD-6	80%	Gandhinagar
7. STD-7	80%	Gandhinagar
9. STD-9	80%	Gandhinagar
10. STD-10	80%	Gandhinagar
11. STD-11	80%	Gandhinagar
12. STD-12	80%	Gandhinagar

HTML Unordered List or Bullet List

- In HTML Unordered list, all the list items are marked with bullets.

- The Unordered list starts with <ul> tag and list items start with the <li> tag.

- We can use unordered list where we do not need to display items in any particular order

- There can be 4 types of bulleted list:
  - disc
  - circle
  - square
  - none

HTML Unordered List :Type attribute

- To represent different ordered lists, there are 4 types of attributes in <ul> tag.

Type	Description
Type "disc"	This is the default style. In this style, the list items are marked with bullets.
Type "circle"	In this style, the list items are marked with circles.
Type "square"	In this style, the list items are marked with squares.
Type "none"	In this style, the list items are not marked .

HTML Unordered List :Example

<html> <body>

<ul>

**
HTML
**

**
Java
**

**
JavaScript
**

**
**

</body> </html>

OUTPUT:

- HTML
- Java
- JavaScript

Practical-5-Exercise-3

- Write a HTML code to display the Engineering Courses offered by U.V.Patel College of Engineering in an unordered List.

Practical-5-Exercise-4

- Write a HTML code to display the following output.

- [Web page displaying various courses offered by Ganpat university using nested unordered List]

HTML Description List or Definition List

- HTML also supports description lists.

- A description list is a list of terms, with a description of each term.

- Definition List makes use of following three tags.

  - \<dl> – Defines the start of the list

  - \<dt> – A term

  - \<dd> – Term definition

  - \</dl> – Defines the end of the list

HTML Description List:Example

<html> <body>

<h2>A Description List</h2>

<dl>

　<dt>Coffee</dt>

　<dd>- black hot drink</dd>

　<dt>Milk</dt>

　<dd>- white cold drink</dd>

</dl>

</body> </html>

OUTPUT:

A Description List

Coffee
　　　- black hot drink
Milk
　　　- white cold drink

Practical-5- Exercise-5

- Write a HTML code to display the following output .

- [Menu card for Pizza store ,Use <DL>,<DT>,<DD> and other required tag for given output]

HTML List Tags

Tag	Description
	Defines an unordered list
	Defines an ordered list
	Defines a list item
<dl>	Defines a description list
<dt>	Defines a term in a description list
<dd>	Describes the term in a description list