Web Basics – HTML 5

Lesson 4. List

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Lesson Objectives

➢ **In this lesson, you will learn about:**
   – Numbered List
   – Bulleted List
   – Glossary List

Objectives

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HTML provides support for ordered, unordered and other types of lists

4.1: Numbered List

- ➤ List of items can be numbered or ordered is called numbered/ordered List
- ➤ Tags can be used for creating ordered list are:
  - – <OL>
  - – <LI>

- ➤ **<LI> tag**
  - – Defines a list item.
  - – Should be used as a child tag of either <OL> or <UL> tag.
- ➤ **<OL> tag**
  - – <OL> defines an ordered list.
  - – An ordered list can be numerical or alphabetical.
  - – Attributes in <OL> tag are
    - • start
    - • type

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Numbered List:
HTML enables you to create a numbered, or ordered list that will automatically generate numbers in front of each item in the list.

The number placed in front of an item depends on the location of the item in the list.

At the beginning of the list, place the <OL> (for ordered list) tag. At the end of the list, place the </OL> tag and in front of each item in the list, place the <LI> (for list item) tag.
End tag for<LI> is optional.

4.1: Numbered List

➢ **Example (Code)**   ➢ **Output**

```
<!DOCTYPE html>
<html>
    <body>
        <h2>My favorite cricket teams</h2>
        <ol>
            <li>INDIA</li>
            <li>SRILANKA</li>
        </ol>
    </body>
</html>
```

My favorite cricket teams

1. INDIA
2. SRILANKA

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You can even select the type of numbering system to be used with the type attribute. For example:

- A-Uppercase letters: <OL TYPE=A>

- a-Lowercase letters: <OL TYPE=a>

- I-Uppercase Roman letters: <OL TYPE=I>

- i-Lowercase Roman letters: <OL TYPE=i>

- 1-Standard numbers: <OL TYPE=1>

Type attribute enables you to alter the style of numbers used in the lists, whereas start attribute sets the starting number of the list.
To start an ordered list at a number other than 1, place the START attribute on the <OL> tag at the beginning of the list.
You can also use the VALUE attribute within <LI> tag to change the numbering sequence within a list.

4.1: Numbered List
Example

➤ **Example:**   ➤ **Output**

```
<!DOCTYPE html>
<html>
    <body>
        <h2>My favorite cricket teams<h2>
            <ol start="2" type="a">
                <li>INDIA
                <li>SRILANKA
                <li>PAKISTAN
                 <li>AUSTRALIA
                <li>SOUTH AFRICA
            <ol>
        </body>
</html>
```

My favorite cricket teams

b. INDIA
c. SRILANKA
d. PAKISTAN
e. AUSTRALIA
f. SOUTH AFRICA

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4.1 Numbered List

➢ **NumberedList.html**

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To create a bulleted list use the <UL>(unordered list) tag at the opening of the list and </UL> at the end of the list.

4.2: Bulleted List
Attributes in <UL> tag

➢ **Style Attribute:**
  – Can be used in <UL> tag to define the style of the marker.

Style Attribute Value	Description
list-style-type:disc	The list items will be marked with bullets (default)
list-style-type:circle	The list items will be marked with circles
list-style-type:square	The list items will be marked with squares
list-style-type:none	The list items will not be marked
list-style-image: url('logo.gif');	The list items will be marked with an image

➢ **Example**
  – <UL style="list-style-type:circle"> will be used to prefix unordered list of items with square.

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4.2: Bulleted List
Example (Code):

➢ **Example**

➢ **Output**

```
<!DOCTYPE html>
<html>
  <body>
    <h2>My favorite cricket teams</h2>
            <ul style="list-style-type:square">
                    <li>INDIA</li>
                    <li>SRILANKA</li>
            </ul>
    </body>
</html>
```

My favorite cricket teams
- INDIA
- SRILANKA

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4.2 Bulleted List

➢ **BulletedList.html**

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4.3: Glossary List
Glossary List

➤ List of terms, with a description of each term is called Glossary/ Description Lists.

➤ Tags can be used for creating glossary list are:
   – <DL> tag: Defines a description list.
   – <DT> tag: Defines the term (name).
   – <DD> tag: Defines the data (description).

➤ Example for Glossary/Description List:

> HTML Tag
>   HTML tags are used to markup HTML elements. They normally come in pairs.
> Title Tag
>   Title tag is used to display the page title in the browser window.

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Glossary List:

In the given example, term is defined using <DT> tag are:
- HTML Tag
- Title Tag

In the given example, defined data are:
- HTML tags are used to markup HTML elements. They normally come in pairs.
- Title tag is used to display the page title in the browser window.

4.3: Glossary List
Glossary List (Code)

```
<!DOCTYPE html>
<html>
   <body>
          <dl>
              <dt>HTML Tag</dt>
              <dd>HTML tags are used to markup HTML elements. They normally
come in pairs. </dd>
              <dt>Title Tag</dt>
              <dd>Title tag is used to display the page title in the browser
window.</dd>
              </dl>
      </body>
</html>
```

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4.3 Glossary List

➢ **GlossaryList.html**

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Lab

➢ **Lab 4**

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Lesson Summary

➢ **In this lesson, you have learnt about:**
- Types of available list items
- Create bulleted, numbered and glossary listed items

Review Question: Questions

➢ **Question 1:Which tag is used at the beginning of an Ordered List**
  – <OL>
  – <UL>
  – <LI>

➢ **Question 2:To create a bulleted list <UL> tag is used**
  – True/ False

➢ **Question 3:_____ attribute is used to modify the appearance of bullets**

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Review Question: Match the Following

1. <dd>	a. 1-Standard numbers
2. <dt>	b. Square Form
3. <OL TYPE=I>	c. A-Uppercase letters
4. <OL TYPE=A>	d. I-Uppercase Roman letters
5. <OL TYPE=1>	e. Data Definition
6. <UL style="list-style-type:circle">	f. Data Term

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