Chapter - 4

Advanced XHTML

*Lists-

- A list is a record of short pieces of information.
- 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:
- → Ordered List or Numbered List (ol)
- →Unordered List or Bulleted List (ul)
- → Description List or Definition List (dl)

Ordered List or Numbered List

In the ordered HTML lists, all the list items are marked with numbers by default. It is
known as numbered list also. The ordered list starts with
 tag and the list items start
with tag.

Types of ordered list-The **type** Attribute

The type attribute of the
 tag, defines the type of the list item marker.

Туре	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

Numbers: type="1"

Ordered List with Numbers

- 1. Coffee 2. Tea
- 2. Tea 3. Milk

Uppercase Letters: type="A"

```
<html>
<body>
<h2>Ordered List with Letters</h2>

Coffee
Tea
Milk

</body>
</html>
```

Milk

</body>
</html>

Ordered List with Letters

A. Coffee B. Tea C. Milk

Lowercase Letters: type="a"

```
<html>
<body>
<h2>Ordered List with Lowercase Letters</h2>

type="a">
Coffee
Tea
Himilk

</body>
</html>
```

Ordered List with Lowercase Letters

a. Coffee b. Tea c. Milk

Uppercase Roman Numbers: type="I"

```
<html>
<body>
<h2>Ordered List with Roman Numbers</h2>

Li>Coffee
Li>Tea
Milk

<br/>
<br
```

Ordered List with Roman Numbers

I. Coffee II. Tea III. Milk

Lowercase Roman Numbers: type="i"

```
chtml>
cbody>
ch2>Ordered List with Lowercase Roman Numbers
ch2>Ordered List with Lowercase Roman Numbers
ch2>Ordered List with Lowercase Roman Numbers
i. Coffee
ii. Tea
iii. Tea
iii. Milk

c/body>
c/body>
c/body>
c/html>
```

Control List Counting

 By default, an ordered list will start counting from 1. If you want to start counting from a specified number, you can use the start attribute:

Unordered List or Bulleted List

 In HTML Unordered list, all the list items are marked with bullets. It is also known as bulleted list also. The Unordered list starts with
 tag and list items start with the
 tag.

Types of unordered list

• There can be 4 types of bulleted list:

Туре	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 .

type "disc"

```
<html>
<body>

tli>HTML
li>Java
li>JavaScript
SQL

</body>
</html>

type ="circle"
```

o HTML

o JavaScript

o Java

o SQL

HTML

JavaScript

Java

SQL

• HTML

JavaScript

Java

• SQL

```
<html>
<body>
HTML
Java
JavaScript
SQL
</body>
                         type ="square"
</html>
<html>
<body>
HTML
Java
JavaScript
SQL
</body>
</html>
```

type ="none"

```
<html>
<body>

HTML
Java
Java
SQL
</html>
```

HTML Java JavaScript SQL

Definition Lists/ Description List

- **HTML Description List** or **Definition List** displays elements in **definition** form like in **dictionary.**
- The <dl> tag in HTML is used to represent the description list. This tag is used with <dt> and <dd> tag.
- Syntax:

```
<dl> Contents... </dl>
```

- To define a definition list we should define:
- □ <dl> tag defines the description list.
 - → It is used to display the list of definitions or descriptions.
- <dt> tag defines data term.
 - → It is used to display the definition term.
- <dd> <dd> tag defines data definition (description).
 - → It is used to mention the explanation or the definition of the term.

Example

```
<html>
                                                                                                   1. HTML
<body>
<d1>
                                                                                                         is a markup language
 <dt>1. HTML</dt>
           <dd>is a markup language</dd>
                                                                                                         is a programming language and platform
 <dt>2. Java</dt>
                                                                                                   3.JavaScript
          <dd>is a programming language and platform</dd>
                                                                                                         is a scripting language
 <dt>3.JavaScript</dt>
                                                                                                   4. SOL
          <dd>is a scripting language</dd>
                                                                                                         is a query language
 <dt>4. SQL</dt>
           <dd>is a query language</dd>
</dl>
</body>
</html>
```

Nested List

A list within another list is termed as nested list.

```
<html>
<body>
<h2>A Nested List</h2>
Coffee
 Tea
       Black tea
       Green teas/li>
       Pudina tea
     Milk
      culs
        Cow Milk
        Goat Milk
</body>
</html>
```

A Nested List

1. Coffee
2. Tea

 Black tea
 Green tea
 Pudina tea
3. Milk
 Cow Milk
 Goat Milk

*Tables -

- A table is a collection of information arranged in rows & columns.HTML tag is used to display data in tabular form (row * column).
- We can create a table to display data in tabular form, using element, with the help of

 , , and elements.
- tag- table row is defined by tag.
- tag table header is defined by
- tag- table data is defined by tag.

Example – A table with 2 rows & 3 columns

```
Row 1 cell 1
                         Row 1 cell 2
                                       Row 1 cell 3
Row 1 cell 1
 Row 1 cell2
  Row 1 cell 2/+d>
Row 2 cell 1
                       Row 2 cell 2
                                     Row 2 cell 3
Row 2 cell 1
 Row 2 cell2
  Row 2 cell 3
```

NAME	SUBJECT	MARKS
Jill	WP	96
Eve	CR	94

```
<html>
<body>
<h2> HTML Table</h2>
NAME
 SUBJECT
 MARKS
(tr>
 Jill
 WP
 96
Eve
 CR
 94
</body>
</html>
```

HTML Table

NAME	SUBJECT	MARKS
Jill	WP	96
Eve	CR	94

Attributes for

- 1. Border used to specify border for the table. Eg:
- 2. Width & Height—It specifies the width & height for a single cell.

```
<html>
<head>
<body>

CELL 1

</body>
</html>
```



<caption> for tables

- It is used to serve as a title or an explanation .
- The <caption> tag defines a table caption.
- The <caption> tag must be inserted immediately after the tag.
- Only one caption can be specified for one table. It is by default aligned to the center.
- <u>align</u>: This attribute is used to specify the alignment of text content.

```
STUDENT DETAILS
<html>
                                                              Firstname Lastname Age
<body>
                                                              Priya
                                                                    Sharma
 <caption><b>STUDENT DETAILS</b></caption>
     (tr>
        Firstname
        Lastname
        Age
     (tr>
        Priya
        Sharma
        24
</body>
</html>
```

*Spanning of Cells

- •Cell spanning means joining or merging cells together to make a larger cell.
- •Two Types
- →Column Spans(colspan) *
- →Row Spans(rowspan)*

Column Span

- The colspan attribute defines the number of columns a cell should span.
- It provides the same functionality as "merge cell" in the spreadsheet program like Excel.
- It can be used with and element while creating an HTML Table.

PROGRAMMING LANGUAGES			MARKUP LANGUAGES		
С	C++	JAVA	HTML	XML	
<pre><html> <body> <h1>THE colspan ATTRIBUTE</h1></body></html></pre>		THE colspan ATT PROGRAMMING LANGUAGES C C++ JAVA			

RowSpan

- The rowspan attribute in HTML specifies the number of rows a cell should span.
- It can be used with and element in an HTML Table.



Table Alignment

- The HTML align Attribute is used to specify the alignment of the table and its
 content.
- Syntax:

Attribute Values:

- **left:** It sets the left align to the table.
- **right:** It sets the right align to the table.
- center: It sets the center align to the table.

Alignment of the text in a cell

• Alignment of the text in a cell can be done using **align** attribute along with **.** It takes the values left,right,center.

Eg: Java Programming

* Cell Padding

- Cell Padding is defined as the amount of space held between the contents of the cell and the cell border.
- The cellpadding attribute is set in terms of pixels.



* Cell Spacing

- Cell spacing is the amount of space held between the cells.
- The cellspacing attribute is set in terms of pixels.

```
<html>
<body>
<h3> CELL PADDING ATTRIBUTE</h3>

Image: collow of the collow of the cellspacing ="25" border="3">

Image: collow of the cellspacing ="25" border="3">

Image: collow of the cellspacing ="25" border="3">
Image: collow of the cellspacing = "25" border="3">
Image: collow of the ce
```

