CHAPTER 12:

HTML -II [List, Tables & Forms]

Informatics Practices

Un Ordered List

<UL> 🞏 .. </UL>

Each list element is defined with <LI> tag.

Attributes	Value	Description
TYPE	Disk Square Circle	It specifies the type Bullet symbol. Default is Disk type.
Example:	``` <UL> <LI> Drink <UL Type=Square> <LI> Tea <LI> Coffee </UL> <LI> Fruits <UL Type=Square> <LI> Apple <LI> Mango </UL> </UL> ```	🞏Drink 🞏Tea 🞏Coffee 🞏Fruits 🞏 Apple 🞏 Mango

Ordered List

☐ **<OL> ☐ .. </OL>**

Attributes	Value	Description
TYPE	A or a I or i 1	It specifies capital/small A,B,C,D.. etc. It specifies capital/small Romans I,II,III etc. It specifies the number 1,2,3 etc. (Default)
START	Value	Defines starting value of list.

Example:	`<OL Type=A>`
	`<LI> Drink`
	    `<OL>`
	       `<LI> Tea`
	       `<LI> Coffee`
	    `</OL>`
	`<LI> Fruits`
	    `<OL Type=I>`
	      `<LI> Apple`
	      `<LI> Mango`
	    `</OL>`
	`</OL>`
		A. Drink
		    1. Tea
		    2. Coffee
		B. Fruits
		    I. Apple
		    II. Mango

Definition List

- **<DL> □ .. </DL>**

- <DT> is used to define Definition Term

- <DD> is used to define Definition Description.

- COMPACT attribute with <DL> may be used to display Definition Description and Term in a single line. (Short Definition)

```
<DL>
    <DT> Computer
    <DD> Computer is an electronic device.
    <DT> Software
    <DD> Software is a set of Instructions.
 </DL>
```

Computer

      Computer is an electronic device.

Software

      Software is a set of Instructions.

Tables in HTML

□ **<Table> □ .. </Table>**

Tables are useful to display data in tabular form.

The following core tags are used to create a table.

□ <Table>.. </Table> defines a table object.

□ <TR>□ </TR> defines a Table Row.

□ <TD>□ </TD> defines a Table Data (cell value)

□ <TH> .. </TH> defines Column Header.

□ <CAPTION> .. </CAPTION> Defines caption of table.

Caption

Student's Details

Table Row

Column Header

Name	Age	Class
Ajay	14	9
Amit	12	7

Table Data

Simple Example

```
<Table>
  <Caption> <B>Student's Details </B></Caption>
  <TR>
    <TH> Name</TH> <TH>Age</TH> <TH>Class></TH>
  </TR>
  <TR>
    <TD> Name</TD> <TD>Age</TD> <TD>Class></TD>
  </TR>
  <TR>
    <TD> Name</TD> <TD>Age</TD> <TD>Class></TD>
  </TR>
</TABLE>
```

Student's Details

Name	Age	Class
Ajay	14	9
Amit	12	7

Attributes in <Table> Tag

Attributes	Value	Description
Background	Color	Specifies the background image file (.jpg, .gif etc.)
Bgcolor	Color	Specifies the background color.
Border	Value	Defines the outline border size (0 - no border)
Bordercolor	Color	Specifies the color of border.
Frame	Above, Below, Box, Hsides, Vsides etc.	Specifies the portion of border will display. Used with Border attribute.
Rules	All, Cols, Rows, None	Specifies the inside border edges to be displayed.
Cellspacing	Value	Space between cells.
Cellpadding	Value	Space between the cell border and cell data.
Height	Value	Defines the height of table in pixel.
Width	Value	Defines the width of table in pixel.
Align	Left, Right, Center	Specifies the alignment of table across the page.
Example:	<Table Bgcolor="Red" Border=3 Rules ="All" Align= center>	

Attributes in <TD> Tag

Attributes	Value	Description
Background	Color	Specifies the background image file (.jpg, .gif etc.) for a cell.
Bgcolor	Color	Specifies the background color for a cell.
Rowspan	Value	Defines the Span of a cell in respect rows.
Colspan	Value	Defines the span of cell in respect of columns.
Width	Value	Defines the width of cell in pixel or % of table.
Align	Left, Right, Center	Specifies the alignment of data in the cell.
Valign	Top, Middle, Bottom	Defines Vertical Alignment, when rowspan of a cell is more than one row.

```
<Table >
  <TR>
  <TD> Item1</TD><TD RowSpan=2 Valign="Middle" >Item2<TD>Item3</TD>
  </TR>

  <TR>
  <TD>Item4</TD><TD>Item5</TD>
  </TR>
</TABLE>
```

Item1	Item2	Item3
Item4		Item5

Forms in HTML

Forms are means to collect information/data from the Site-visitor or client.

<FORM> **</Form>** is used to define a form in <BODY> section of HTML page.

Form contains some GUI controls to interact with users. Some of important controls are-

- **Buttons**
  - **Submit Button**
  - **Reset Buttons**
  - **Push Buttons**
- **Check Boxes**
- **Radio Buttons**
- **Combo Boxes (Menus)**
- **Password field**
- **Text Input (Text Field, Text Area etc.)**

Creating Forms

☐ **<FORM> ☐ .. </FORM>**

This Tag can be used in <BODY> section to create a form. It may contains many other input controls.

Commonly used Attributes are-

Attributes	Value	Description
Name	String	Specifies the name of the form
Action	Script or URL	It specifies the Script or email-ID or URL which will receive data.
Method	Get Post Form	Sends the information to specified URL. Sends the data in HTTP environment. Opens a new form as per specified URL.
Example:	<Form Method=Get Action="www.google.com"> Commonly used method is- <Form Method=Post Action="mailto:abc@yahoo.com">	

Adding Input Controls on the Form

☐ **<INPUT >**

This Tag defines various input controls to get input from the user.

Attributes	Value	Description
Type	Text	Defines a Text Box.
	Radio	Defines a Radio Button.
	Checkbox	Defines a Check Box
	Password	Creates a Password input box.
	Submit	Creates a Submit Button.
	Reset	Creates a Reset Buttons.
	Button	Creates a push buttons.
Name	String	It specifies the user given name of the input control.
Value	String/Val	Specifies the initial value for the control.
Size	value	Specifies the size of control.
Example:	<INPUT Type="Text" Name="St_name"> <INPUT Type="Button" Name="MyButton" Value="OK">	

Adding Input Controls on the Form

 <SELECT> </SELECT>

This Tag creates a Drop-down Option menu from which user may
   select an option.

```
<SELECT  Name="name"  Size="Value>
   <OPTION Value="Value" [Selected]> Prompt </OPTION>
                                          
</SELECT>
```
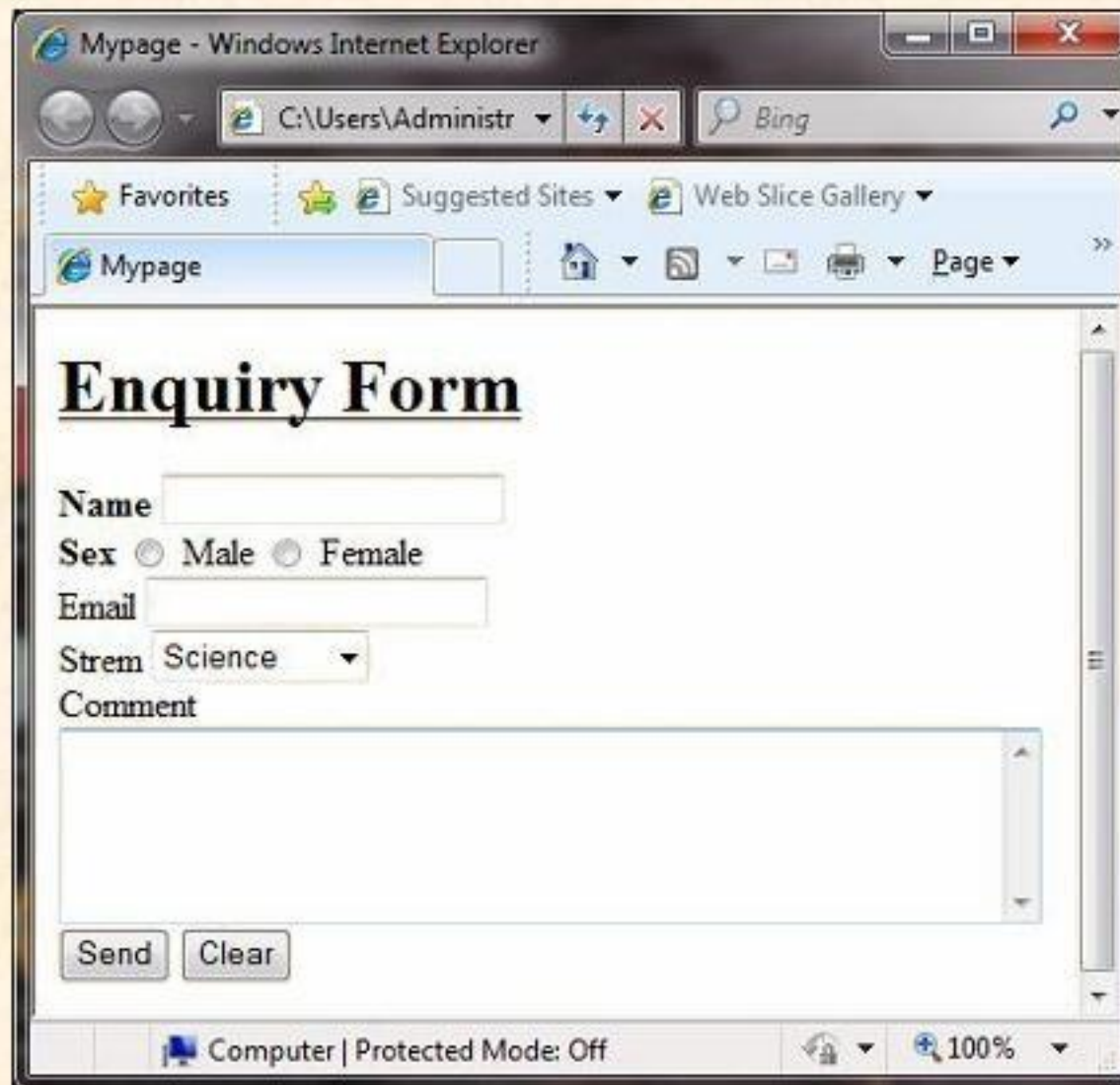
Example

```
<SELECT  Name="Stream">
    <OPTION Value="Science" > Science </OPTION>
    <OPTION Value="Commerce">  Commerce </OPTION>
    <OPTION Value="Arts" > Arts </OPTION>
</SELECT>
```

Sample Form -Putting all together

```
<html>
<head><title> My page </title> </Head>
<body>
<H1> <U>Enquiry Form </u></h1>
<Form method=Post action= "maoilto:rkmalld@gmail.com">
<b>Name  </b> <Input type=Text name="st_name"><br>
<b>Sex </b>
    <Input type=Radio name="sex" value="Male"> Male
    <Input type=Radio name="sex" value="Female"> Female<Br>
</b>Email  </B><Input type=Text Name ="email"> <br>
Stream <SELECT name="stream">
        <Option value="Science"> Science </Option>
        <Option value="Commerce"> Commerce </OPTION>
        <Option value="Arts"> Arts </Option>
        </SELECT> <Br>
Comment<Br>
<TextAREA name="comment" Rows=5 cols=50> </TEXTAREA><br>
<INPUT Type=Submit Value ="Send">
<INPUT Type=Reset Value ="Clear">
</Form>
</body>
</html>
```

Sample Form