Web Design

HTML Images, Hyperlinks ,Lists

HTML Tables & Iframe

Third Stage/Semester 1

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Lecture

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Outlines

➢Images.

➢Hyperlinks.

➢Lists.

➢Tables.

➢iframe.

Images Syntax

➢The **<img>** tag is used to insert an image into a web page.

➢ src attribute specifies file name (or URL) of the image.

➢ alt attribute is used to specify alternate text for the image, if it cannot be displayed in the browser.

➢height and width attribute are used to specify the height and width of the image(their values are in pixels).

➢title is displayed when the mouse is "hovered" over the image.

Relative URL Address

1. Same directory(folder) :   solar_system.jpg

2. Sub directory(sub folder):   images/ solar_system.jpg

Absolute URL address

http://www.solarweb.com/images/solar_system.jpg

Example1: Image

```
<!DOCTYPE html>
    <html >
     <head>

            <title>Image Example</title>
    </head>


    <body>

        <h1 >This is an image.</h1>

      <img src= "images/solar_system.jpg" alt= " Solar System" height="160"

            width="200"  title= " Solar System" />

   </body>
 </html>
```

Hyperlinks

➢ A webpage can contain various links that are used to take or link you to other pages.

➢ HTML links are hyperlinks which allow you to navigate between web sites by clicking on a text or an image.

Example2: Hyperlink

```html
<!DOCTYPE html>

<html>
    <head>

            <title>HyperLink Example</title>
    </head>

    <body>

            <p>Click the following link:</p>

        <a href="htmlLecture.html" target="_blank"> HTML Lecture</a>


    </body>
</html>
```

Hyperlinks Syntax

➢ The **<a>** (or anchor) element is used to define a hyperlink.

 HTML Lecture

➢ href attribute specifies the destination address that is linked to it.

➢ The link text (HTML Lecture) is the visible part on the browser.

➢ target attribute identifies where to open the linked text. It has **_blank** (open the linked text in a new tab or window) or **_self** (open the linked text on the same frame) values.

Image as Link

Example3: Image as link

```
<body>

        <p> Click the following image: </p>

            <a href="htmlLecture.html" target="_blank">

                <img src= "html_image.jpg" alt= "HTML Lecture" height="160"

                width="200" title= "HTML Lecture" />

            </a>

</body>
```

Lists

➢ There are three different types of HTML lists:

- Ordered List.

- Unordered List.

Ordered List

➢ Ordered list uses numbers or letters to label it's items.

- ... element defines an ordered list.

- specifies each list item.

➢ **Type** attribute used to define the type of the marker. Marker can be (numbers, uppercase or lowercase letters, and uppercase or lowercase of roman numbers).

➢ **Start** attribute used to specify the starting point of numbering you want.

Unordered List

➢ Unordered list uses bullets to label it's items.

- ...
element defines unordered list.

- ... element specifies each list item.

➢ **Type** attribute used to specify the type of bullet. It has (square, circle and disk) values.

Example4: Ordered list& Unordered list

```html
<body>

        <ol start="2" >

                <li> Second item </li>

                <li> Third item </li>

         </ol>

                        <hr>

        <ul  type="square">

                <li> Computer Department </li>

                <li> Math Department </li>

        </ul>

</body>
```

HTML Tables

➤ The HTML table allow you to arrange data like text, images, links and other tables into rows and columns of cells.

➤ **<table>...</table>** element is used to define a table.

➤ **<caption> ...</caption>** element is used to specify table caption.

➤ **<tr>....</tr>** element is used to create table rows.

➤ **<td>...</td>** element is used to create table data (cells).

➤ **<th>...</th>** element is similar to <td> elements but displays the table data in bold and centered.

➤ **Border** attribute is used to define a border of the table.

Example5: HTML Table

```html
<table border="1">
<caption><h2> This is the Caption </h2> </caption>
<tr>
        <th>Row1 Colum1</th>
        <th>Row1 Colum2</th>
        <th>Row1 Colum3</th>
 </tr>
<tr>
         <td>Row2 Colum1</td>
        <td>Row2 Colum2</td>
       <td>Row2 Colum3</td>
</tr>
 <tr> <td>Row3 Colum1</td>  <td>Row3 Colum2</td><td>Row3 Colum3</td></tr>
</table>
```

Output

Figure1: A Simple Table

Colspan and Rowspan Attributes

➢The **Colspan** attribute is used to merger more than one columns into one column.

- **<td colspan="2">**

➢The **Rowspan** attribute is used to merger more than one rows into one row.

- **<td rowspan="2">**

Example6: Colspan and Rowspan attributes

```
<table border="1">

<caption>Colspan and Rowspan Attributes </caption>

    <tr>          <th>Colum1</th>   <th>Colum2</th>    <th>Colum3</th>
</tr>

        <tr>

          <td rowspan="2">Row1 Cell 1</td>

          <td>Row1 Cell 2</td>

          <td>Row1 Cell 3</td>

        </tr>


        <tr>        <td>Row2 Cell 2</td> <td>Row2 Cell3</td>        </tr>

        <tr>        <td colspan="3">Row3 Cell 1</td>            </tr>

</table>
```
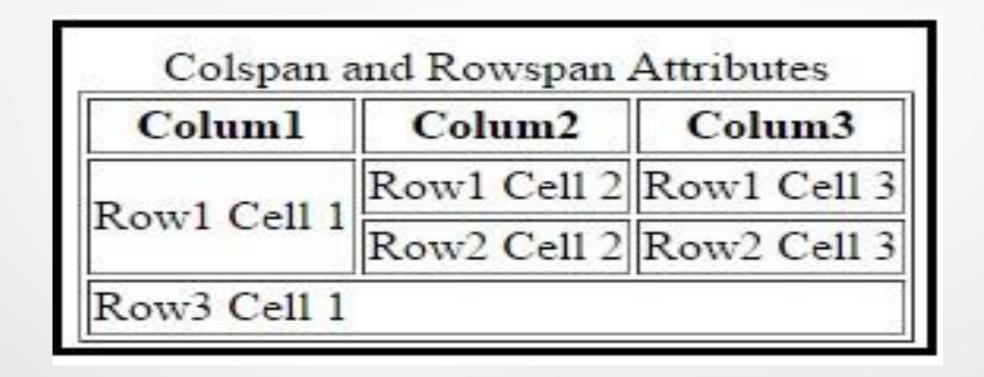
Output

Figure 2: Colspan and Rows Attributes

Iframe

➢ The **<iframe>... </iframe>** element is used to create an inline frame or sub window within a web page..

➢ **Iframe Syntax:**

<iframe src ="URL">

        <p>iframes are not supported by your browser.</p>

</iframe>.

➢ If the browser does not support iframes then the content between the opening and closing <iframe> tags is displayed.

Iframe Attributes

➢ The **src** attribute specifies the URL of the web page that will be displayed in the iframe.

➢ The **height** and **width** attribute is used to specify the size of the iframe.

Example7: Iframe

<body>

    <iframe src="html_Lecture.html" width="800" height="200" >

       <p>iframes are not supported by your browser.</p>

    </iframe>

  </body>

Changing iframe contents by using anchor tag

➢The **name** attribute is used to give a name to the iframe.

➢The **target** attribute of the hyperlink should refer to the **name** attribute of the iframe.

Example8: Changing iframe contents by using anchor tag

<body>

    <iframe src="html_Lecture.html" name= "iframe_one" width="800"

        height="200" >

      <p>iframes are not supported by your browser.</p>

   </iframe>

<p>HTML Lecture</p>

<p>CSS Lecture</p>

 </body>