

WEB PAGES DESIGN

Web Programming HTML (Part II)

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Lecture 3.

Class 2.

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HTML Lists

Lists:- **HTML** offers web authors three ways for specifying lists of information. **HTML** provides simple and effective ways to specify lists in documents.

- All lists must contain one or more list elements. Lists are of three types

1- Un ordered list

2- Ordered List

3- Definition list

Unordered Lists

Unordered Lists: An unordered list is a collection of related items that have no special order or sequence. This list is created by using HTML `` tag. Each item in the list is marked with a bullet.

- An unordered list is used to list items where ordering is not required.
- Therefore unordered lists are bulleted.
- Unordered Lists are specified with `` and `` tags.
- The bullets used for indentation can be a filled circle / square /empty circle.
- By default the bullet style is disc (filled circle).
- The actual contents of the lists are specified with `` and `` tags.
- Both `` and `` tags can use the type attribute to specify Bullet style

Syntax:

`<ul type="circle /disc /square" > list item `

HTML Unordered Lists

Example:

```
<html>
```

```
<head>
```

```
<title>HTML Unordered List</title>
```

```
</head>
```

```
<body>
```

```
<ul>
```

```
<li>Beetroot</li>
```

```
<li>Ginger</li>
```

```
<li>Potato</li>
```

```
<li>Radish</li>
```

```
</ul>
```

```
</body>
```

```
</html>
```

- Beetroot
- Ginger
- Potato
- Radish

Ordered Lists

Ordered Lists:- items are numbered list instead of bulleted, This list is created by using `` tag.

- Ordered list is used to list items where ordering is very important.
- Ordered lists are preceded by numbers or letters.
- Numbering can be done using:
 - English numbers (1,2,3....)
 - Letters (A-Z and a-z)
 - Roman Numerals (i,ii,iii,iv,..... and I ,II,III,IV,V....)
- The tags used to specify an ordered lists are `` and `` tags.
- Ordered lists also uses `` and `` to list the items.

Syntax:

```
<ol type="1" /a/A/i/I "> <li>list item</li> </ol>
```

Ordered Lists

Example:

```
<html>
```

```
<head>
```

```
<title>HTML Ordered List</title>
```

```
</head>
```

```
<body>
```

```
<ol>
```

```
<li>Beetroot</li>
```

```
<li>Ginger</li>
```

```
<li>Potato</li>
```

```
<li>Radish</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```

1. Beetroot
2. Ginger
3. Potato
4. Radish

Definition Lists

HTML Definition Lists:- **HTML** and **XHTML** supports a list style which is called definition lists where entries are listed like in a dictionary or encyclopedia. The definition list is the ideal way to present a glossary, list of terms, or other name/value list. 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
-
- Definition lists consists of terms followed by its definitions.
 - Definition lists are specified with **<dl>** and **</dl>** tags. And requires two more special tags first is for data term **<dt>** and **</dt>** and the other is for data definition **<dd>** and **</dd>** tags.

Definition Lists

Example:

<!DOCTYPE html>

<html>

<head>

<title>HTML Definition List</title>

</head>

<body>

<dl>

<dt>

HTML </dt> <dd>This stands for Hyper Text Markup Language</dd>

<dt> HTTP </dt> <dd>This stands for Hyper Text Transfer Protocol</dd>

</dl>

</body>

</html>

HTML

This stands for Hyper Text Markup Language

HTTP

This stands for Hyper Text Transfer Protocol

HTML tables

HTML tables: A table is a matrix of cells. The cells in the top row often contain column labels. **The HTML tables** allow web authors to arrange data like text, images, links, other tables, etc. into rows and columns of cells. **The HTML tables** are created using the `<table>` tag in which the `<tr>` tag is used to create table rows and `<td>` tag is used to create data cells.

- Tables are defined with the `<table>` and `</table>` tag.

Syntax:

`<table border="" bgcolor="" bordercolor="" align="left / right / center / top / bottom" width="x / x%" cellpadding="" cellspacing="" > </table>`

Attributes	Description
cellpadding	Specifies the amount of space held between the contents of the cell and the cell border ,specified in pixels
cellspacing	Specifies the amount of space held between cells, specified in pixels
align	Specifies the position of the table on the web page
border	Specifies the width of the border around the table
width	Specifies the width for the entire table
bgcolor	Specifies the background color for the table
bordercolor	Specifies the color for the table border

HTML tables

- To add rows to the table we use `<tr>` and `</tr>` tags.
- To divide the rows into columns we use `<td>` and `</td>` tags (i.e., The contents of the cell is specified with `<td>` and `</td>` tag).

Syntax:

```
<td colspan='n' rowspan='n' align='left /right /center'  
valign='top/bottom/middle/center/baseline' width='x' height='x' >  
</td>
```

Attributes	Description
colspan	It is used to stretch the cell to the right to span over the subsequent columns
rowspan	It is used to stretch the cell to span downwards over several rows
align	Specifies the horizontal alignment of the text within the table cell
valign	Specifies the vertical alignment of the text within the table cell
width	Specifies the width for the table cell
height	Specifies the height of the table cell

HTML tables

Example:

```
<html>
```

```
<head>
```

```
<title>HTML Tables</title>
```

```
</head>
```

```
<body>
```

```
<table border="1">
```

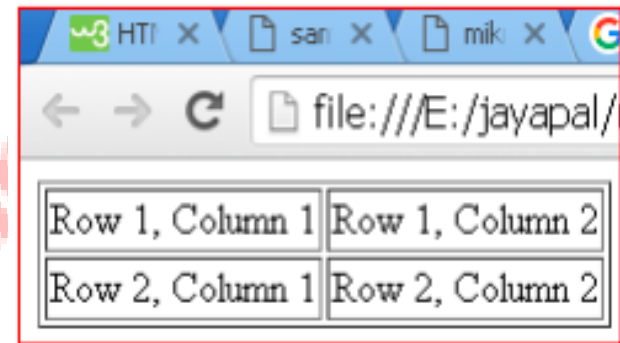
```
<tr> <td>Row 1, Column 1</td> <td>Row 1, Column 2</td> </tr>
```

```
<tr> <td>Row 2, Column 1</td> <td>Row 2, Column 2</td> </tr>
```

```
</table>
```

```
</body>
```

```
</html>
```



HTML tables

```
<table border="1">  
<tr>  
  <th> Column 1 header </th>  
  <th> Column 2 header </th>  
</tr>  
<tr>  
  <td> Row1, Col1 </td>  
  <td> Row1, Col2 </td>  
</tr>  
<tr>  
  <td> Row2, Col1 </td>  
  <td> Row2, Col2 </td>  
</tr>  
</table>
```

Column 1 Header	Column 2 Header
Row1, Col1	Row1, Col2
Row2, Col1	Row2, Col2

Table Heading

Table Heading: Table heading can be defined using `<th>` tag. This tag will be put to replace `<td>` tag, which is used to represent actual data cell. Normally you will put your top row as table heading as shown below, otherwise you can use `<th>` element in any row.

- All the attributes used the `<td>` cell can also be used in the `<th>` tag also.
- We can specify the title to the table using `<caption>` and `</caption>` tags.

Syntax:

`<caption align="top/bottom/left/right">`Table title `</caption>`

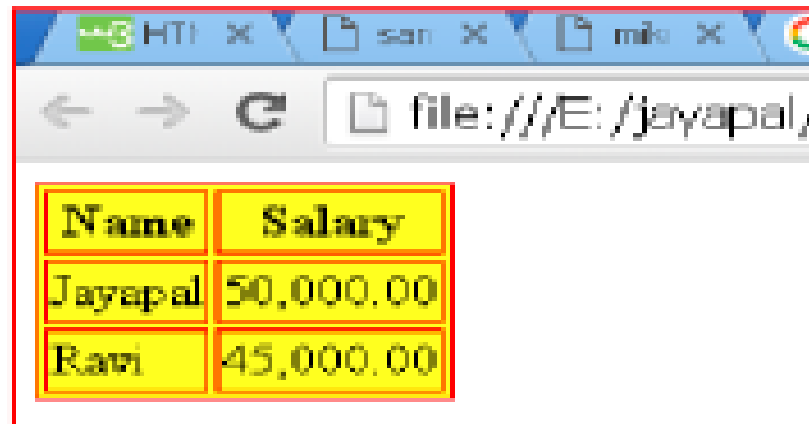
The align attribute specifies the position of the table title on the web page.

Tables Backgrounds

Tables Backgrounds: set table background using one of the following two ways:

1- **bgcolor attribute** - You can set background color for whole table or just for one cell.

2- **background attribute** - You can set background image for whole table or just for one cell. You can also set border color also using border color attribute.



A screenshot of a web browser window showing a table with a yellow background and a red border. The table has two columns: 'Name' and 'Salary'. The first row contains 'Jayapal' and '50,000.00'. The second row contains 'Ravi' and '45,000.00'. The browser's address bar shows 'file:///E:/jayapal/'.

Name	Salary
Jayapal	50,000.00
Ravi	45,000.00

Tables Backgrounds

```
<html>
<head>
<title>HTML Tables</title> </head>
<body>
<table border="1"bordercolor="red" bgcolor="yellow">
<tr> <th>Name</th>
      <th>Salary</th>
</tr>
<tr> <td>Jayapal </td> <td>50,000.00</td></tr>
<tr> <td>Ravi</td> <td>45,000.00</td> </tr>
</table>
</body>
</html>
```

Tables Attributes

- **BGColor:** Some browsers support background colors in a table.
- **Width:** you can specify the table width as an absolute number of pixels or a percentage of the document width. You can set the width for the table cells as well.
- **Border:** You can choose a numerical value for the border width, which specifies the border in pixels.
- **CellSpacing:** Cell Spacing represents the space between cells and is specified in pixels.
- **CellPadding:** Cell Padding is the space between the cell border and the cell contents and is specified in pixels.
- **Align:** tables can have left, right, or center alignment.

Tables Attributes

Colspan: Specifies how many cell columns of the table this cell should span.

Rowspan: Specifies how many cell rows of the table this cell should span.

Align: cell data can have left, right, or center alignment.

Valign: cell data can have top, middle, or bottom alignment.

Width: you can specify the width as an absolute number of pixels or a percentage of the document width.

Height: You can specify the height as an absolute number of pixels or a percentage of the document height.

Basic Table Code

```
<TABLE BORDER=1 width=50%>
<CAPTION> <h1>Spare Parts </h1> </Caption>
<TR>
<TH>Stock Number</TH><TH>Description</TH><TH>List Price</TH>
</TR>
<TR>
<TD bgcolor=red>3476-AB</TD><TD>76mm
Socket</TD><TD>45.00</TD>
</TR>
<TR>
<TD>3478-AB</TD><TD><font color=blue>78mm Socket</font>
</TD><TD>47.50</TD>
</TR>
<TR>
<TD>3480-AB</TD><TD>80mm Socket</TD><TD>50.00</TD>
</TR>
</TABLE>
```

Basic Table Code

Spare Parts

Stock Number	Description	List Price
3476-AB	76mm Socket	45.00
3478-AB	78mm Socket	47.50
3480-AB	80mm Socket	50.00

Insert Image

- ✓ insert any image in the web page by using `` tag.
- ✓ The 3 most popular image formats are:
 - **GIF**(Graphic Interchange Format)
 - **JPEG**(Joint Photographic Experts Group)
 - **PNG**(Portable Network Graphics)

Indicated with .gif, .jpg, .png file extensions.

The images are included in the body of the web document using `` tag.

Syntax:

```

```

Insert Image

Attributes	Description
src	Provides a path for the picture to be inserted into the web page
alt	Displays a text if the picture is not displayed on the web browser
align	Specifies the position of the image on the web page
border	Specifies the width of the border around the image
width	Specifies how wide the picture should appear on the web page
height	Specifies how high the picture should appear on the web page
hspace [horizontal space]	Specifies the amount of white space to the left and right side of a image
vspace [vertical space]	Specifies the amount of white space above and below the image

Attribute Values

Value	Description
left	Align the image to the left
right	Align the image to the right
middle	Align the image in the middle

Insert Image

Example:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Using Image in Webpage</title>
```

```
</head>
```

```
<body>
```

```
<p> Simple Image Insert </p>
```

```

```

```
</body>
```

```
</html>
```

Simple Image Insert





The end