

Lesson-3

HTML LISTS

Lists in HTML

1. **Unordered Lists** - An unordered list has no specific numbering or ordering. It starts with the tag. Each list item starts with the tag. Example: Create the following List in HTML

```
<html>
<head>
<title>
Unordered list
</title>
<head>
<body>
<h2><b>Unordered List with Bullets</b></h2>
<ul>
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ul>
</body>
</html>
```

You will learn

- ✓ Paragraph formatting Tags
- ✓ List Tags
- ✓ Order (start and type attribute) and Un order List
- ✓ Background Image and other Image Insertion in Web Page with alignment
- ✓ Creation of table
- ✓ Anchor Tag
- ✓ Hyper Link

Unordered List with Bullets

I like to drink the following:

- Coffee
- Tea
- Milk

Unordered list styling- <ul style="list-style-type:circle"> OR <ul style="list-style-type:square">

11. **Ordered Lists** - An ordered list can be numerical or alphabetical in a specific order.

Example: Create the following List in HTML

```
<html>
<head>
<title>
Ordered list
</title>
</head>
<body>
<h2><b>Ordered List with Numbers</b></h2>
<ol>
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ol>
</body>
</html>
```

Ordered List with Numbers

I like to drink the following:

1. Coffee
2. Tea
3. Milk

Ordered list styling - To change the starting number from default 1 to any number we use the 'start' option.

To Change from numbers to alphabet or to roman numbers we use the 'type' option.

Example: <ol start="10" type=i >

```
    <li>Coffee</li>
    <li>Milk</li>
```

- x. Coffee
- xi. Tea
- xii. Milk

TABLES IN HTML:

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.

Example: Create the following List in HTML

| Month | Saving |
|----------|--------|
| January | \$100 |
| February | \$75 |

```
<html>
<head>
<title>
Table in html
</title>
</head>
<body>
<table>
<tr>
<td>Month</td>
<td>Savings</td>
</tr>
<tr>
<td>January</td>
```

```
<td>$100</td>
</tr>
<tr>
<td>February</td>
<td>$75</td>
</tr>
</table>
</body>
</html>
```

1. **Table Border:** We add border option in <table> tag i.e. <table border="1">

2. **Bordercolor:** It specifies the color of the table's border.

Syntax: <table border=3 bordercolor=red>

3. **Cellspacing:** It is the space between cells.

4. **Cellpadding:** It is the distance between cell border and the cell contents.

Syntax: <table border=3 bordercolor=red cellspacing=10 cellpadding=10>

5. **Background:** It is used to give image in the background. This attribute takes URL of the file as its value.

Syntax: <table background="path">

6. **Bgcolor:** It is used to give colour in the background of the table.

Syntax: <table bgcolor="red">

7. **Height and Width:** These attributes are used to specify the height and width of the table in pixel

Syntax: <table height=200 width=300 >

STUDENT DETAIL

| Name | Address | Marks |
|-------|-----------|-------|
| Manik | Rohini | 89 |
| Ravi | Pitampura | 67 |
| Sunny | Rohini | 90 |
| Rohan | Vikaspuri | 78 |

ROWSPAN AND COLSPAN ATTRIBUTES OF TABLE TAG

Stretching a cell over multiple rows or columns is referred to as spanning. Two or more adjacent rows can be combined together to form a single row using the rowspan attribute. Two or more adjacent columns can be combined together to form a single columns using the colspan attribute.

```
<html>

<Table border=1>

<caption> PRICE LIST</caption>

<tr><th colspan=2>Activity Name</th><th>Monthly Charges</th></tr>

<tr><td rowspan=2>INDOOR Activities</td><td>Indian Dance</td><td>Rs.
250</td></tr>

<tr><td>Dramatics</td><td>Rs. 350</td></tr>

<tr><td rowspan=2>OUTDOOR Activities</td><td>Skating</td><td>Rs.
150</td></tr>

<tr><td>Horse Riding</td><td>Rs. 400</td></tr>

</Table>

</html>
```

Output :-

PRICE LIST

| Activity Name | | Monthly Charges |
|--------------------|--------------|-----------------|
| INDOOR Activities | Indian Dance | Rs. 250 |
| | Dramatics | Rs. 350 |
| OUTDOOR Activities | Skating | Rs. 150 |
| | Horse Riding | Rs. 400 |

Anchor Tag:

The 'a' or anchor tag. Hyperlinks, or links, are how you move around the web. An <a> or anchor tag is how you make hyperlinks in HTML. The 'a' or anchor tag is an elegantly simple and powerful tool.

There are two ways to insert hyperlinks in html:

1. Internal link –

Steps: 1. Open My Pictures or Sample Pictures or any folder containing pictures or songs or any file, Copy the file you want

2. Create a folder on the Desktop or in My Documents

3. Open the Folder, and paste the file.

4. Right click, and click new and click text document.

5. Open the text document and type the code given below.

```
<html>
```

```
<head>
```

```
<title>
```

```
Links in HTML
```

```
</title>
```

```
</head>
```

```
<body>
```

```
<p><a href=Name of the file. extension>Click here to download</a></p>
```

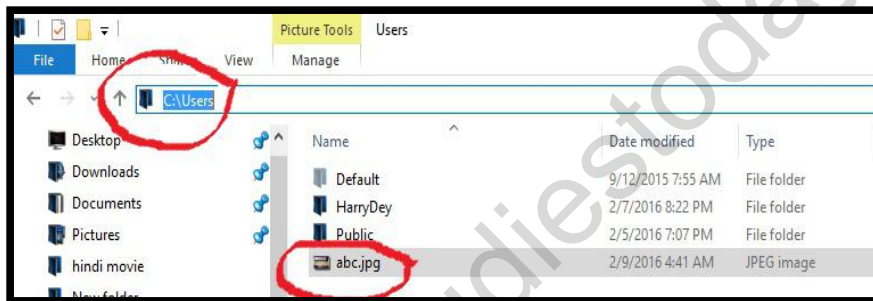
</body>

</html>

4. Save the file giving a name with dot html (mypage.html).

5. Open the webpage using browser.

2. External: Here we type the location or address of the picture or file where it is, instead of simply writing the name of the picture.



Steps:

1. Open a text document and type the code given below.

<html>

<head>

<title>

Webpage with Pictures

</title>

</head>

<body >

<p>Click here to download</p>

```
</body>
```

```
</html>
```

4. Save the file giving a name with dot html (mypage.html).

5. Open the webpage using browser

To open webpages using hyperlinks: We can open different webpages by simply clicking on a hyperlink by providing the address of the webpage using `<a>` tag

```
<a href="http://www.yahoo.com">Visit Yahoo</a>
```

To change HTML Link Color: We can change the color of the hyperlinks by using the following options in the `<body>` tag.

`link="color"` For the a page that hasn't been visited yet

`vlink="color"` For the visited link color

`alink="color"` For the active link color

```
<body link="blue" alink="blue" vlink="red">
```

SUMMARY

1. Each list item starts with the `` tag.
2. In HTML List are of three types Ordered list, Unordered list, Definition list.
3. An ordered list can be numerical or alphabetical in a specific order.
4. An unordered list has no specific numbering or ordering. It starts with the `` tag.
5. HTML tables allow web authors to arrange data like text, images, links, other tables, etc. into rows and columns of cells.
6. HTML tables are created using the `<table>` tag.
7. In HTML `<tr>` tag is used to create table rows and `<td>` tag is used to create data cells.
8. Cellspacing is the space between the cells.
9. Cellpadding is the distance between cell border and the cell contents.
10. Stretching a cell over multiple rows or columns is referred to as spanning.

11. Two or more adjacent rows can be combined together to form a single row using the rowspan attribute.
12. Two or more adjacent columns can be combined together to form a single columns using the colspan attribute.
13. An <a> or anchor tag is how you make hyperlinks in HTML.
14. There are two ways to insert hyperlinks in html : Internal Link, External Link.

EXERCISES

A. Fill in the blanks

- i. _____ list can be numerical or alphabetical in a specific order.
- ii. Each list item should start with _____ tag.
- iii. We can create table in HTML by using _____ tag.
- iv. _____ tag is used to create table row whereas _____ tag is used to create Data cells.
- v. Space between the cells is _____.
- vi. _____ is the distance between the cell border and the cell content.

B. Find true or false

- i. We use Table border to change the color of border.
- ii. Background is to give image in the background.
- iii. here 'A' stands for anchor tag.
- iv. HREF attribute is used to set URL of the page.
- v. <TD> tag is used to create table row.

C. Short Answer Questions

- i. What is List in HTML?
- ii. What are the types of List in HTML?
- iii. Give one difference between Ordered list with Unordered list.?
- iv. What is cellpadding?

- v. Give one difference between rowspan with colspan.?
- vi. What is cellspacing?
- vii. What is the use of <A> tag in HTML? Give syntax.
- viii. List four attributes of <A> tag.
- ix. What are the types of Hyperlink?
- x. Identify the error in code given below:
 in HTML , You are free to use colors of your own choice.
3. Anita is trying to create two web pages computer.html and definition.html where computer.html is the name and are linked to definition.html. She wants that a click on name and it should display the web page definition.html. Try this assignment to yourself to see whether you get output correctly.