

## Lesson 8: Advanced Features of HTML

### I. NEW WORDS

attribute	unordered	bulleted	radio	float
checkbox	anchor	pixel	align	property

### II. IMPORTANT POINTS

- The types of lists that can be created in HTML are
  - Unordered list
  - Ordered list
- Differences between ordered list and unordered list

<b>&lt;ol&gt; ordered list</b>	<b>&lt;ul&gt; Unordered list</b>
Ordered list is a numbered list	Unordered list is bulleted list
It used for items that have a specific order	It used when items are in no particular order
The list is enclosed within <ol></ol> tags	The list is enclosed within <ul></ul> tags

## HTML PROGRAMMING

<p>a. Write HTML code for <b>3 varieties of fruits</b> using an unordered list</p> <pre>&lt;html&gt; &lt;head&gt;   &lt;title&gt;Fruits&lt;/title&gt; &lt;/head&gt; &lt;body&gt;   &lt;ul type="circle"&gt;     &lt;li&gt;Mango&lt;/li&gt;     &lt;li&gt;Kiwi&lt;/li&gt;     &lt;li&gt;Banana&lt;/li&gt;   &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>	<p>b. Write HTML code for <b>3 names of subjects</b> using an ordered list</p> <pre>&lt;html&gt; &lt;head&gt;   &lt;title&gt;Subjects&lt;/title&gt; &lt;/head&gt; &lt;body&gt;   &lt;ol type="1"&gt;     &lt;li&gt;English&lt;/li&gt;     &lt;li&gt;Math&lt;/li&gt;     &lt;li&gt;Science&lt;/li&gt;   &lt;/ol&gt; &lt;/body&gt; &lt;/html&gt;</pre>
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### c. Assignment

1. Write HTML code for <b>3 states of India</b> using an unordered list	a. 2. Write HTML code for <b>3 names of students</b> using an ordered list
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### 3. Inserting Images

HTML allows to insert many different image formats such as GIF and JPEG. Inserting images will enhance the look of the webpage

Attributes of the <img> tag

Attribute	Use
src	It specifies the URL of the image to be displayed in the document.
height and width	It specifies the height and width of the image in pixels.
float	It specifies the alignment of the image, either to the left or right of the text.
alt	It specifies the alternative text that the browser displays if the image is either loading or cannot be displayed.

## HTML PROGRAMMING

```
<html>
  <head>
    <title>Subjects</title>
  </head>
  <body>
    
  </body>
</html>
```

4. **Hyperlinks:** A website is a collection of webpages. These pages are linked with each other through hyperlinks. There are two types of linking.
  1. Internal Linking
  2. External Linking
5. **Anchor tag and its attributes:** Anchor tags are used to create hyperlinks in a webpage. It is a container tag. <a> </a>. href is the attribute of the anchor tag that specifies the location of the page or the file
  - a. <a href="https://jgsicse.org/">My school</a>

## 6. Tables in HTML

The HTML tables allow us to arrange data in rows and columns and provide an attractive way to represent the data.

**Tags used to create tables**

Tag	Usage	Syntax
Table tag	Used to define a table in HTML	<code>&lt;table&gt;&lt;/table&gt;</code>
Table row tag	Used to define a horizontal row of cells	<code>&lt;tr&gt;&lt;/tr&gt;</code>
Table data tag	Specifies an individual block or cell in a table row	<code>&lt;td&gt;&lt;/td&gt;</code>
Header Cell	Used to define the header	<code>&lt;th&gt;&lt;/th&gt;</code>

```
<html>
<head>
  <title>Creating a table</title>
  <style>
    body {
      background-color: yellow;
    }
    table,
    th,
    td {
      border: 1px solid blue;
    }
  </style>
</head>
<body>
  <table>
    <tr>
      <th>S.No</th>
      <th>Name</th>
      <th>C/S</th>
    </tr>
    <tr>
      <td>1</td>
      <td>Smith</td>
      <td>7A</td>
    </tr>
    <tr>
      <td>2</td>
      <td>Kanika</td>
      <td>7B</td>
    </tr>
  </table>
</body>
</html>
```

**Tables Assignment:** Write HTML code to display the following output

S. No	Name	Percentage
1	Rajiv	76
2	Sita	56