IMAGES

- The HTML <img> tag is used to embed an image in a web page.

- Images are not technically inserted into a web page; images are linked to web pages.

- The <img> tag creates a holding space for the referenced image.

- The <img> tag is empty, it contains attributes only, and does not have a closing tag.

- The <img> tag has two required attributes:
  - src - Specifies the path to the image
  - alt - Specifies an alternate text for the image
  - <img src="url" alt="alternatetext">

IMAGES - STYLING

- Width & Height
    - `<img src="url" alt="Text" style="width:100px;height:100px;">`
    - `<img src="url" alt="Text" width="100" height="100">`

- You can use absolute, relative or internet links for images.

- Image as link

```
<a href="orderedList.html">
    <img src="html5.png" alt="HTML tutorial" style="width:50px;height:50px;">
</a>
```

BACKGROUND IMAGE

- Background Image
  - <p style="background-image: url('html5.png');">

- Background Image Attribute
  - To avoid the background image from repeating itself, set the background-repeat property to no-repeat.
  - If you want the background image to cover the entire element, you can set the background-size property to cover.
  - For fix size you can do manually (eg :- background-size: 50px 50px;).
  - Also, to make sure the entire element is always covered, set the background-attachment property to fixed:

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HTML5 – AUDIO ELEMENT

- Syntax

  <audio controls>

    <source src="megh.mp3" type="audio/mpeg">

    <source src="megh.wav" type="audio/wav">

  Your browser does not support the audio element.

  </audio>

- The controls attribute adds audio controls, like play, pause, and volume.

- The <source> element allows you to specify alternative audio files which the browser may choose from.

- The text between the <audio> and </audio> tags will only be displayed in browsers that do not support the <audio> element.

File Format	Media Type
MP3	audio/mpeg
OGG	audio/ogg
WAV	audio/wav

HTML5 – AUDIO ELEMENT

- To start an audio file automatically, use the autoplay attribute.
  - <audio controls autoplay>
- Add muted after autoplay to let your audio file start playing automatically (but muted):
  - <audio controls autoplay muted>

HTML5 – VIDEO ELEMENT

- Syntax

```
<video width="320" height="240" autoplay>
        <source src="movie.mp4" type="video/mp4">
        <source src="movie.ogg" type="video/ogg">
        Your browser does not support the video tag.
</video>
```

- The controls attribute adds video controls, like play, pause, and volume.

- If height and width are not set, the page might flicker while the video loads.

- Source & Text between tag works same as audio element.

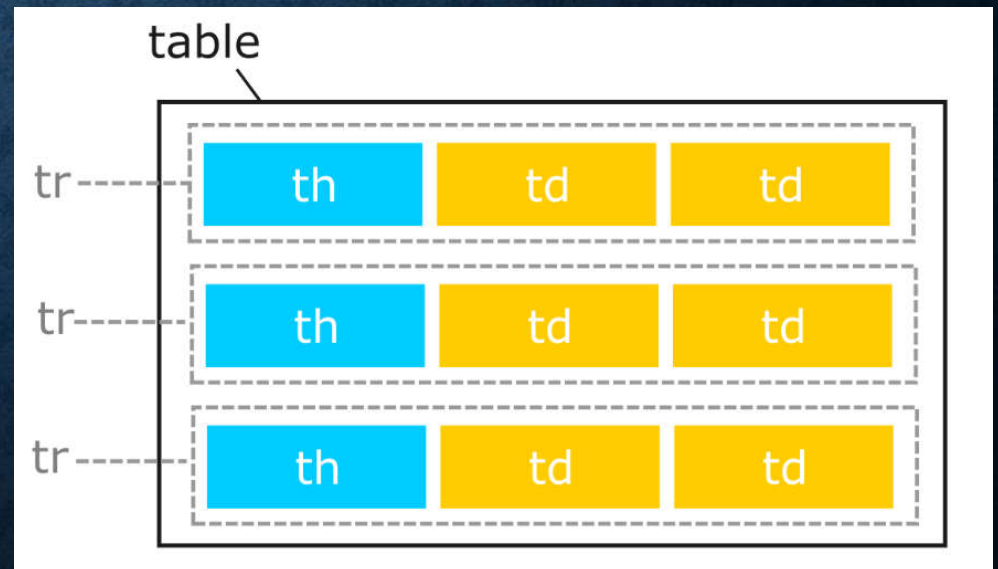| File Format	Media Type
MP4	video/mp4
WebM	video/webm
Ogg	video/ogg

HTML5 – VIDEO ELEMENT

- To start an video file automatically, use the autoplay attribute.
    - <video controls autoplay>

- Add muted after autoplay to let your video file start playing automatically (but muted):
    - <video controls autoplay muted>

TABLES

- HTML tables are used for displaying data that make sense in spreadsheet software. They consist of rows and columns and are often used on websites for the effective displaying of tabular data.

- A Simple Table Syntax

```
<table>
    <tr>
            <th>Headings</th>
    </tr>
     <tr>
            <td>Data</td>
    </tr>
</table>
```

TABLE - BORDER

- To add border to you table we use border style property of CSS.
    - border: 1px solid black;
        - Here a single attribute border ha 3 values
            - 1px – First value defines the size of border
            - Solid – This defines the style of border
            - Black – This defines the color of border
    - There are variety of border style which can also be applied through border-style property. Some of them are :- dotted, double, inset etc.
    - For Collapsing the border applied to multiple table element you can use border-collapse.
    - For Rounded border you can use border-radius property of CSS.

TABLE - SIZE

- style attribute with the width or height properties is used to specify the size of a table, row or column.

TABLE – SPACING & PADDING

- Cell padding is the space between the cell edges and the cell content.
    - Uses padding, padding-left, etc. attributes
- Cell spacing is the space between each cell.
    - Use border-spacing attribute.

TABLE – ROWSPAN & COLSPAN

- HTML tables can have cells that spans over multiple rows and/or columns.

Subject		John Doe	Miriam Luther
Biology	Practical	A	A
	Theory	A+	A
Chemistry	Practical	B	C
	Theory	A	C+
Physics	Practical	A	A
	Theory	A−	A−

TABLE – COLGROUP

- The <colgroup> element is used to style specific columns of a table.
    - Syntax :-
    <colgroup>
      <col span="3" style="color: #FFEF00">
    </colgroup>

- You can have multiple <colgroup> also.

- You can also Hide the column using visibility attribute.