HTML MEDIA

- In HTML, media elements are used to embed multimedia content such as audio, video, and images into web pages

  1. IMAGES

- Images are inserted using the <img> tag.

Attributes:

- src: Specifies the source of the image.

- alt: Provides alternative text if the image cannot be displayed.

- width and height: Set the dimensions of the image.

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  <img src="example.jpg" alt="Example Image" width="300" height="200">

2. VIDEOS

Videos are embedded using the <video> tag.

Attributes:

- src: Specifies the video file.

- controls: Adds play, pause, volume, and other controls.

- autoplay: Plays the video automatically when the page loads.

- loop: Replays the video in a loop.

- muted: Mutes the video by default.

- poster: Displays an image before the video starts.

Video example

```
<video src="video.mp4" controls width="500" poster="thumbnail.jpg">
 Your browser does not support the video tag.
</video>
```

3. AUDIO

Audio is embedded using the <audio> tag.

<u>Attributes:</u>

- src: Specifies the audio file.

- controls: Adds play, pause, and volume controls.

- autoplay: Plays the audio automatically.

- loop: Replays the audio in a loop.

example

<audio src="audio.mp3" controls>

  Your browser does not support the audio tag.

</audio>

4. EMBEDDING YOUTUBE OR EXTERNAL VIDEOS

You can embed external videos like YouTube using the <iframe> tag.

Attributes:

- src: The URL of the video.

- width and height: Set the size of the iframe.   Example below

```
<iframe
  width="560"
  height="315"
  src="https://www.youtube.com/embed/example"
  title="YouTube video"
  frameborder="0"
  allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"
  allowfullscreen>
</iframe>
```

MEDIA ATTRIBUTES

- Some attributes are common across media elements:

- preload: Specifies how the browser should load the media file.
- auto: Loads the entire file.
- metadata: Loads only the metadata.
- none: Does not load the file until required.
- crossorigin: Allows for cross-origin requests.

HTML <SOURCE> TAG

Used within <video> or <audio> tags to specify multiple file formats for better browser compatibility.

Example

<video controls>

   <source src="video.mp4" type="video/mp4">

   <source src="video.ogg" type="video/ogg">

   Your browser does not support the video tag.

</video>