

HTML5 Media Elements

<audio>

The <audio> element is used to embed audio content in a document. It supports multiple audio sources and provides various attributes for controlling playback.

Attributes:

- src: Specifies the URL of the audio file.
- controls: Displays playback controls.
- autoplay: Starts playing the audio automatically.
- loop: Loops the audio.
- muted: Mutes the audio.
- preload: Specifies if and how the author thinks the audio should be loaded when the page loads.

Example:

```
<audio controls>  
  <source src="audio-file.mp3" type="audio/mpeg">  
  <source src="audio-file.ogg" type="audio/ogg">  
  Your browser does not support the audio element.  
</audio>
```

<video>

The <video> element is used to embed video content. It supports multiple video sources and various attributes to control playback.

Attributes:

- src: Specifies the URL of the video file.
- controls: Displays playback controls.
- autoplay: Starts playing the video automatically.
- loop: Loops the video.
- muted: Mutes the video.
- preload: Specifies if and how the author thinks the video should be loaded when the page loads.
- poster: Specifies an image to be shown while the video is downloading or until the user hits the play button.

Example:

```
<video width="320" height="240" controls>  
  <source src="video-file.mp4" type="video/mp4">  
  <source src="video-file.ogg" type="video/ogg">
```

Your browser does not support the video tag.
</video>

<track>

The <track> element is used as a child of the <video> and <audio> elements. It specifies text tracks for media elements, which can be used for subtitles, captions, and descriptions.

Attributes:

- src: Specifies the URL of the track file.
- kind: Specifies the kind of text track (subtitles, captions, descriptions, chapters, or metadata).
- srclang: Specifies the language of the track text data.
- label: Provides a user-readable title for the track.
- default: Specifies that the track is to be enabled if the user's preferences do not indicate that another track would be more appropriate.

Example:

```
<video width="320" height="240" controls>  
  <source src="video-file.mp4" type="video/mp4">  
  <track src="subtitles_en.vtt" kind="subtitles" srclang="en" label="English">  
  <track src="subtitles_es.vtt" kind="subtitles" srclang="es" label="Spanish">  
  Your browser does not support the video tag.  
</video>
```