



## Day 11

# “Web Development + Security”

## Video, Audio & Media:

### What is <video> tag in HTML?

The <video> tag in HTML is used to show a video on a webpage.

- It works like the <img> tag, but for videos.
- You can play, pause, and control it with built-in buttons.
- It needs a video file (like .mp4, .webm, .ogg).

### Important attributes of <video>:

Attribute	Meaning (Simple Words)	Example Code
<b>src</b>	Path of the video file	<code>&lt;video src="movie.mp4"&gt;&lt;/video&gt;</code>
<b>controls</b>	Adds play, pause, volume buttons	<code>&lt;video controls&gt;&lt;/video&gt;</code>
<b>autoplay</b>	Video starts playing automatically	<code>&lt;video autoplay&gt;&lt;/video&gt;</code>
<b>loop</b>	Video repeats after finishing	<code>&lt;video loop&gt;&lt;/video&gt;</code>
<b>muted</b>	Video starts with no sound	<code>&lt;video muted&gt;&lt;/video&gt;</code>
<b>poster</b>	Shows an image before the video starts (thumbnail)	<code>&lt;video poster="thumbnail.jpg"&gt;&lt;/video&gt;</code>
<b>width</b>	Sets the video's width	<code>&lt;video width="400"&gt;&lt;/video&gt;</code>
<b>height</b>	Sets the video's height	<code>&lt;video height="300"&gt;&lt;/video&gt;</code>

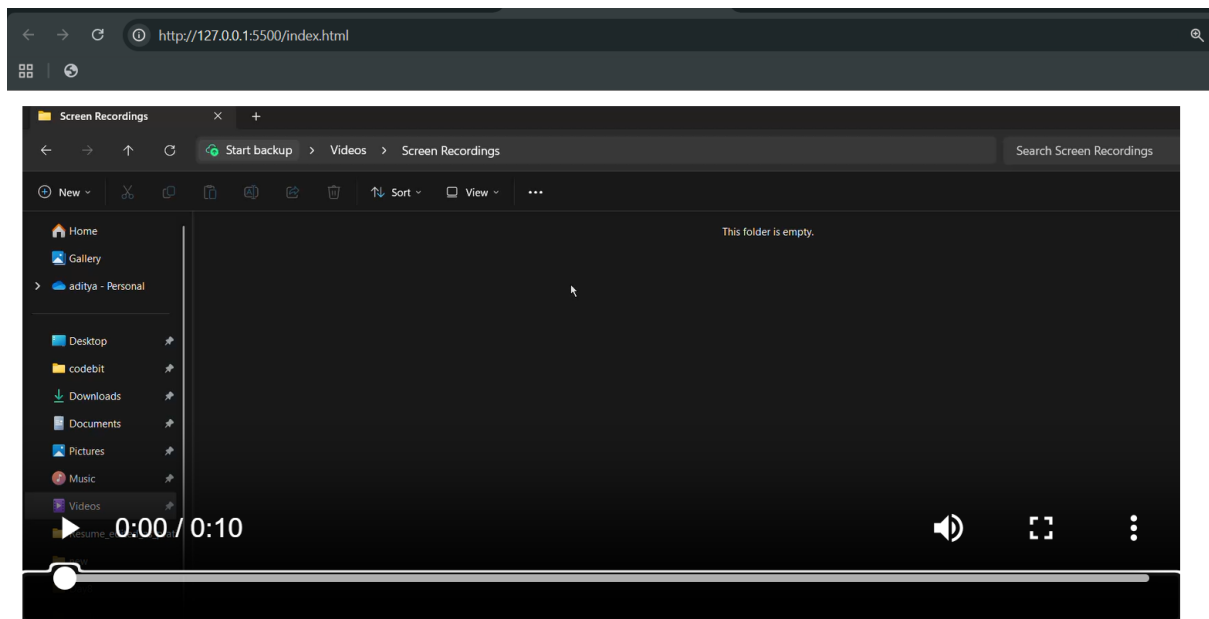
Example:

```

index.html > html > body > video
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Audio, Video & Media</title>
7  </head>
8  <body>
9      <video src="video.mp4" width="600" controls></video>
10 </body>
11 </html>

```

Output:



### What is <audio> tag in HTML?

The <audio> tag in HTML is used to play sound/music on a webpage, just like <video> is used for videos.

### Important attributes of <audio>:

Attribute	Meaning (Simple Words)	Example Code
<b>src</b>	Path of the audio file	<code>&lt;audio src="song.mp3"&gt;&lt;/audio&gt;</code>
<b>controls</b>	Adds play, pause, volume buttons	<code>&lt;audio controls&gt;&lt;/audio&gt;</code>
<b>autoplay</b>	Audio starts playing automatically	<code>&lt;audio autoplay&gt;&lt;/audio&gt;</code>
<b>loop</b>	Audio repeats again and again	<code>&lt;audio loop&gt;&lt;/audio&gt;</code>
<b>muted</b>	Audio starts with no sound	<code>&lt;audio muted&gt;&lt;/audio&gt;</code>

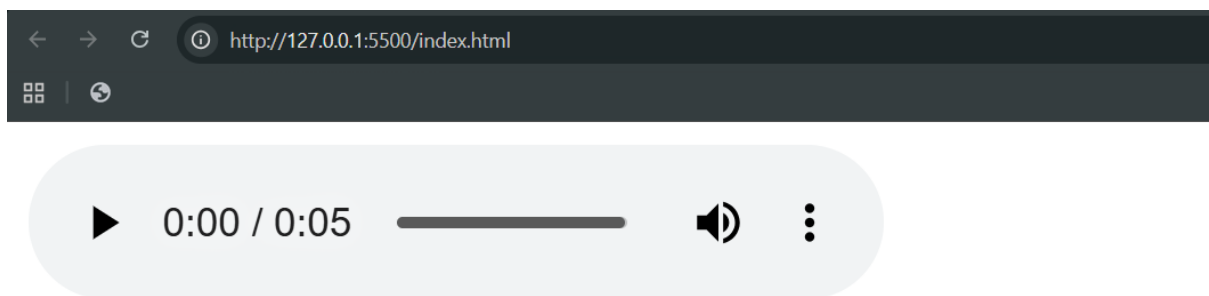
Preload attribute:

Value	Meaning in Simple Words
<b>none</b>	Don't load the file until the user clicks play (saves data).
<b>metadata</b>	Only load info about the file (like duration, size), but not the whole media.
<b>auto</b>	Load the whole file in advance (useful if you expect the user will play it).

Example:

```
<html lang="en">
<body>
  <!--Audio-->
  <audio src="sound.m4a" controls></audio>
</body>
</html>
```

Output:



### What is <iframe> tag in HTML?

The <iframe> tag in HTML is used to embed another webpage inside your webpage. Think of it like a small window showing another site or page.

### Important attributes of <iframe>:

Attribute	Meaning (Simple Words)	Example Code
<b>src</b>	The webpage link (URL) to display inside the iframe	<code>&lt;iframe src="page.html"&gt;&lt;/iframe&gt;</code>
<b>width</b>	Width of the iframe window	<code>&lt;iframe width="600"&gt;&lt;/iframe&gt;</code>
<b>height</b>	Height of the iframe window	<code>&lt;iframe height="400"&gt;&lt;/iframe&gt;</code>
<b>title</b>	A short description (for accessibility)	<code>&lt;iframe title="My site"&gt;&lt;/iframe&gt;</code>
<b>name</b>	Gives the iframe a name (can be used with links/targets)	<code>&lt;iframe name="myFrame"&gt;&lt;/iframe&gt;</code>
<b>allowfullscreen</b>	Allows the iframe to go full screen (useful for videos)	<code>&lt;iframe allowfullscreen&gt;&lt;/iframe&gt;</code>

Attribute	Meaning (Simple Words)	Example Code
<b>loading</b>	Controls when the iframe loads: lazy (load later) or eager (load immediately)	<code>&lt;iframe loading="lazy"&gt;&lt;/iframe&gt;</code>
<b>sandbox</b>	Adds security rules (restricts scripts, forms, etc.)	<code>&lt;iframe sandbox&gt;&lt;/iframe&gt;</code>

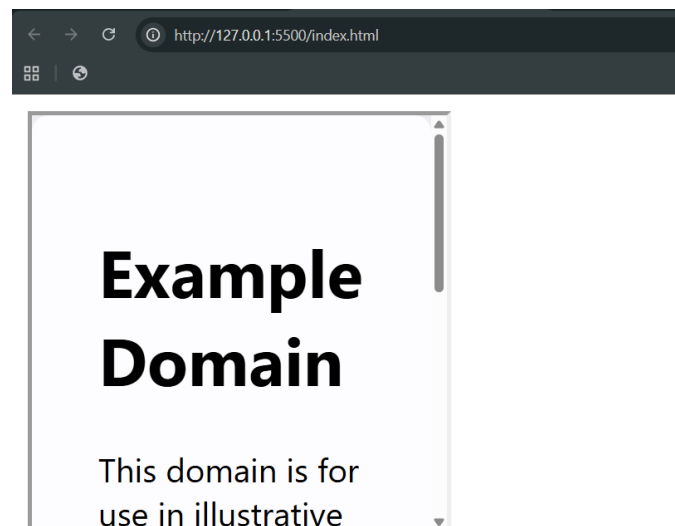
Example:

```

5 index.html > html > body > iframe
2  <html lang="en">
8  <body>
15  <!--Iframe-->
16  <iframe src="https://www.example.com" width="200" height="200"></iframe>
17  </body>
18  </html>

```

Output:



--The End--