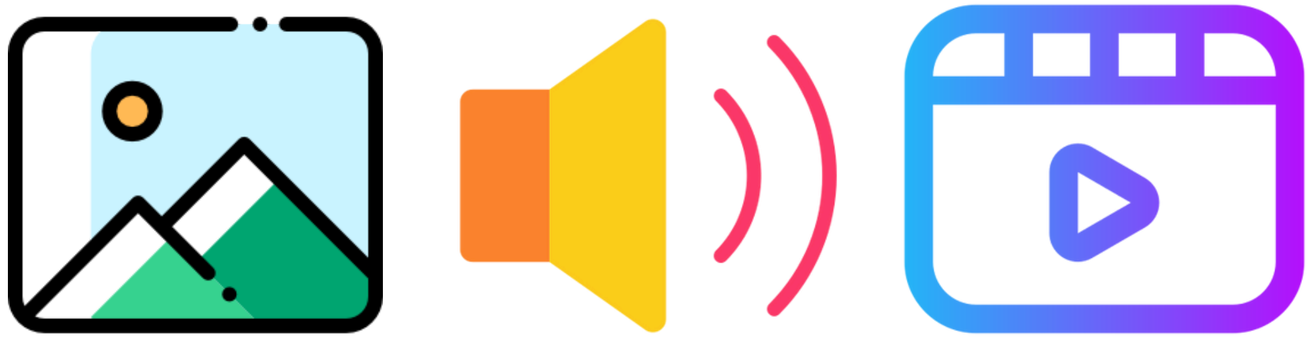
indiXpert

HTML MEDIA ELEMENTS



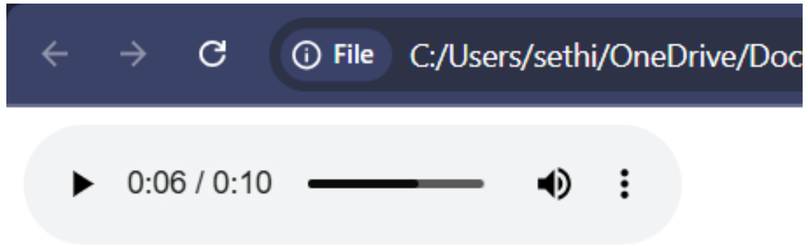
Audio Element

The audio element allows us to add sound files like music, podcasts, or alerts to webpages.

🔊 HTML <audio> Tag & Attributes

- 🎵 **<audio>** – Embeds audio into the webpage
- 📁 **src** – Provides the audio file path
- 🎛️ **controls** – Displays play, pause, volume buttons
- ▶️ **autoplay** – Starts audio as soon as the page loads
- 🔁 **loop** – Repeats the audio when it ends
- 🔇 **muted** – Begins playback with sound off

Output:



Example:

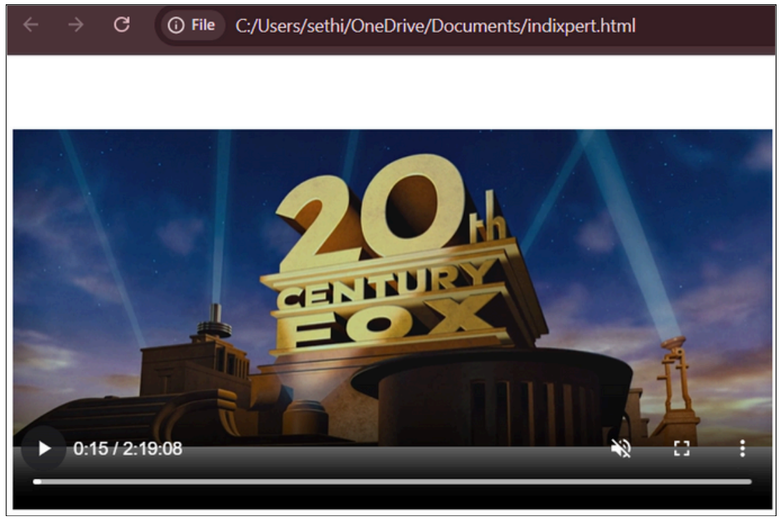
```
<body>
  <audio src="music.mp3" controls autoplay loop muted>
</audio>
```

Video Element

The <video> element is used to embed video content directly into a webpage with playback controls.

📢 HTML <video> Tag & Attributes

- 🎬 **<video>** – Embeds the video element
- 📁 **src** – Video file path
- 🎛️ **controls** – Play/pause/volume options
- 🖼️ **poster** – Thumbnail image before playback
- 📏 **width & height** – Player size
- 🔁 **autoplay**, **loop**, **muted** – Behave like in **<audio>**



Output

Example:

```
<body>
<video src="sample.mp4" width="600" height="350" controls autoplay loop muted poster="thumbnail.jpg">
</video>
</body>
```

More on audio & video

Multiple Sources for Compatibility

- Different browsers support different media formats.
- Use the <source> tag inside <audio> or <video> to provide multiple file options.

Example:

```
<body>
<video controls>
    <source src="video.mp4" type="video/mp4">
    <source src="video.webm" type="video/webm">
    </video>
</body>
```

Adding Subtitles or Captions

Use the <track> tag to include captions or subtitles in your video for better accessibility.

Example:

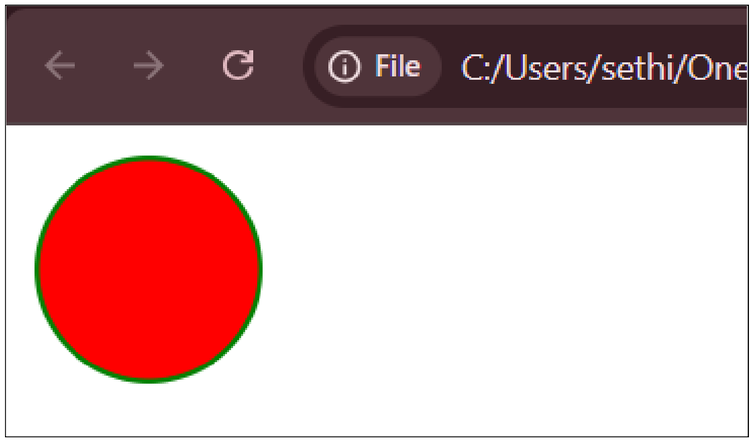
```
<body>
  <video controls>
      <source src="video.mp4" type="video/mp4">
      <track src="captions.vtt" kind="subtitles"
        srclang="en" label="English">
  </video>
</body>
```

SVG Element

<svg> element is used to create and display scalable vector graphics in our webpage.

Example:

```
<body>
    <svg width="100" height="100">
    <circle r="45" cx="50" cy="50" fill="red"
    stroke="green" stroke-width="2" />
  </svg>
```



Output

SVG Basics in HTML:

- 📏 **width & height** – Define the size of the SVG canvas
- 🔵 **circle, rect, line, path** – Used to draw different shapes
- 🎨 **fill** – Sets the inner color of a shape
- 🎯 **stroke** – Sets the border color
- 📐 **stroke-width** – Sets the thickness of the border

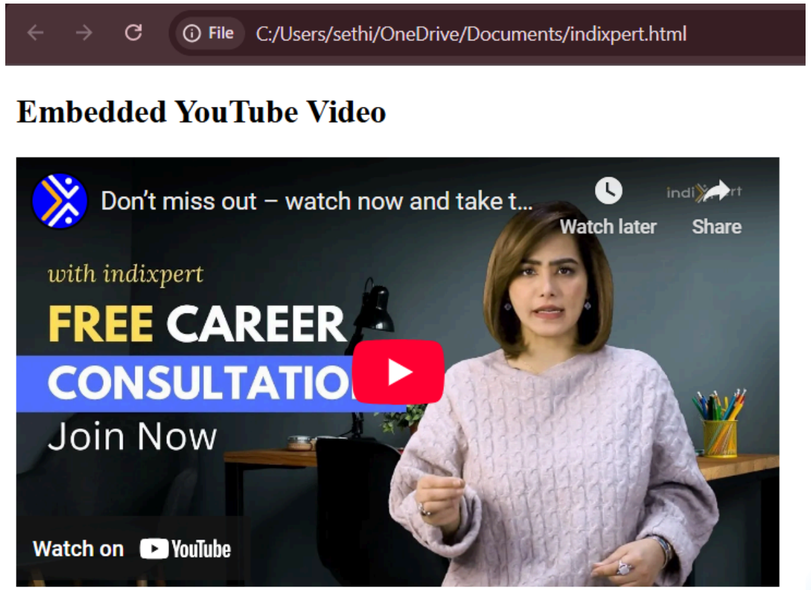
Iframe Element

The <iframe> element is used to embed other webpages, YouTube videos, or Google Maps.

Example:

```
<body>
  <iframe
    src="https://www.youtube.com/embed/WCPIQZcfxao"
    width="560" height="315" frameborder="0"
    allowfullscreen>
  </iframe>
</body>
```

Output:



🌐 Using <iframe> to Embed Content

- 🧩 **<iframe>** — Embed external content (videos, maps)
- 🔗 **src** — URL of the content to display
- 🖥️ **allowfullscreen** — Enables full-screen mode
- 📐 **width & height** — Control size (already covered)

THANK YOU

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