

Practical : 4A (Audio Video)

Aim: To Demonstrate the use of Audio and Video in HTML

Concepts:

Tag / Selector	Attribute / Property	Purpose / Usage
<audio>	src, controls, loop, preload, type	Embeds an audio file with playback control and autoplay behavior
<video>	src, height, width, controls, loop, preload, type	Embeds a video with size, controls, and playback options
controls	—	Adds play, pause, volume, and seek UI
loop	—	Makes the media repeat automatically
preload	auto	Suggests the browser to load the file early for faster playback
type	audio/mp3, video/mp4	Specifies the MIME type of the media file
Fallback Text	—	Text shown if the browser doesn't support the media tag

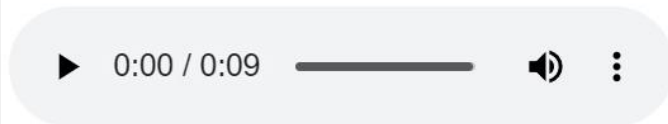
Code:

index.html

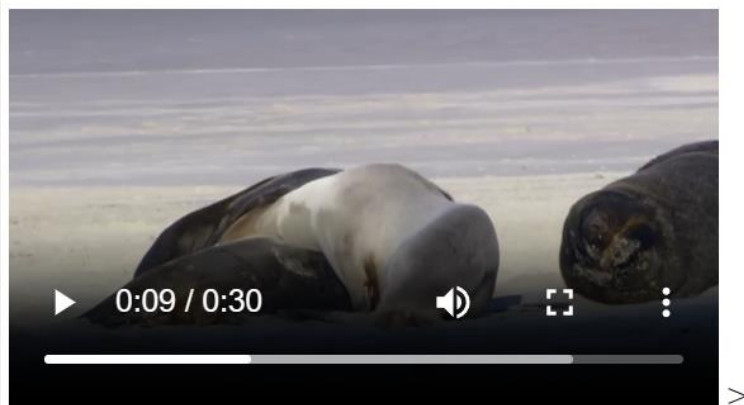
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>4A - AV</title>
  </head>
  <body>
    <h2>Audio Example:</h2>
    <audio src="rickroll.mp3" type="audio/mp3" controls loop preload="auto">
      Your browser doesn't support audio element.
    </audio>
    <h2>Video Example:</h2>
    <video
      height="180"
      width="320"
      src="sample_video.mp4"
      controls
      type="video/mp4"
      loop
      preload="auto"
    >
      Your browser doesn't support Video element.
    </video>
  </body>
</html>
```

Output:

Audio Example:



Video Example:



Conclusion:

Through this practical, I learnt how to embed audio and video files into a webpage using the `<audio>` and `<video>` tags. I used attributes like `controls`, `loop`, and `preload` to enhance media playback experience. This exercise helped me understand how HTML5 supports multimedia integration directly without plugins, and how to ensure browser compatibility using fallback text.