

Module (HTML5) – 3

Q-1 What are the new tags added in HTML5?

Ans :

- <aside> : Used to indicate that the specified article is somehow related to the rest of the document.
- <data> : Used to facilitate a machine readable version of the data.
- <details> : used to define any additional information on a topic or a summary.
- <dialog> : Used to specify a window or a dialog box.
- <figcaption> : Used to specify a caption for a <figure> element.
- <footer> : Used to specify a footer for a section.
- <header> : Used to specify a header for a section.
- <main> : Used to specify the main content of a document.
- <progress> : Used to define the progress of a task.
- <section> : Used to specify a section in an HTML document.
- <audio> : Used to define an audio file in HTML.
- <video> : Used to specify a video file in HTML.
- <embed> : Used to specify a container for an external file, application or a media.

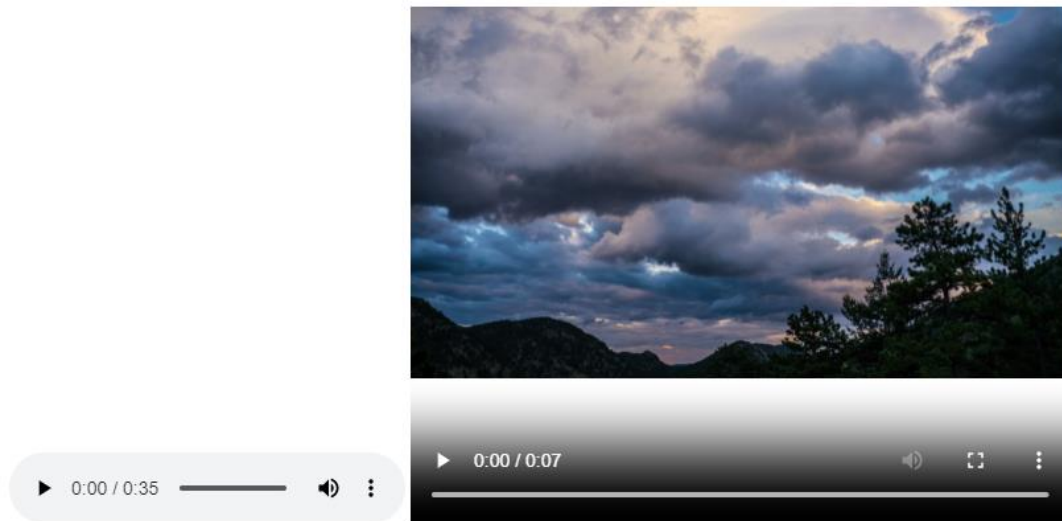
Q-2 How to embed audio and video in a webpage?

Ans : The HTML5 <audio> and <video> tags make it simple to add media to a website. You need to set src attribute to identify the media source and include a controls attribute so the user can play and pause the media.

Exp :

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Audio & Video</title>
9 </head>
10
11 <body>
12   <audio src="/E:\Mern stack developer\Html data\Html\images\backwards-morphing-tesseract-30sec-challenge-7430.mp3"
13     controls loop></audio>
14   <video src="/Mern stack developer/Html data/Html/images/pexels-joshua-woroniecki-5040711-1920x1080-30fps.mp4"
15     width="500px" height="500px" controls loop></video>
16 </body>
17
18 </html>
```

Output:



Q - 3 Semantic element in HTML5?

Ans : In HTML there are some semantic elements that can be used to define different parts of a web page.

- <article>
- <aside>
- <details>
- <figure>
- <footer>
- <header>
- <main>
- <mark>
- <section>
- <summary>
- <time>

Q – 4 Canvas and SVG tags?

Ans :

- Canvas has poor scalability. Hence it is not suitable for printing on higher resolution.
- SVG has better scalability. So it can be printed with high quality at any resolution.
- Canvas can be modified through script only.
- SVG can be modified through script and CSS.
- Canvas gives better performance with smaller surface or larger number of objects.
- SVG gives better performance with smaller number of objects or larger surface.