**Module(HTML-5)-3**

**1). What are the new tags added in HTML5?**

**Ans.**

* There are many new tags are shown below:

|  |  |
| --- | --- |
| <article> | Represents an independent piece of content of a document, such as a blog entry or newspaper article. |
| <aside > | Represents a piece of content that is only slightly related to the rest of the page. |
| <audio> | Defines an audio file. |
| <canvas> | This is used for rendering dynamic bitmap graphics on the fly, such as graphs. |
| <command> | Represents a command the user can invoke. |
| <datalist> | Together with the a new list attribute for input can be used to make combo-boxes. |
| <details> | Represents additional information or controls which the user can obtain on demand |
| <embed> | Defines external interactive content or plugin. |
| <figure> | Represents a piece of self-contained flow content, typically referenced as a single unit from the main flow of the document. |
| <footer> | Represents a footer for a section and can contain information about the author, copyright information, etc. |
| <header> | Represents a group of introductory or navigational aids. |
| <hgroup> | Represents the header of a section. |
| <keygen> | Represents control for key pair generation. |
| <mark> | Represents a run of text in one document marked or highlighted for reference purposes, due to its relevance in another context. |
| <meter> | Represents a measurement, such as disk usage. |
| <nav> | Represents a section of the document intended for navigation. |
| <output> | Represents some type of output, such as from a calculation done through scripting. |
| <progress> | Represents a completion of a task, such as downloading or when performing a series of expensive operations. |
| <ruby> | Together with <rt> and <rp> allow for marking up ruby annotations. |
| <section> | Represents a generic document or application section |
| <time> | Represents a date and/or time. |
| <video> | Defines a video file. |
| <wbr> | Represents a line break opportunity. |

**2). How to embed audio and video in a webpage?**

**Ans.**

**Embed Audio in Webpage:**

* To embed the audio in webpage use the <audio> tag.
* In <audio> tag add the path in src section.

* **Code:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>Document</title>

</head>

<body>

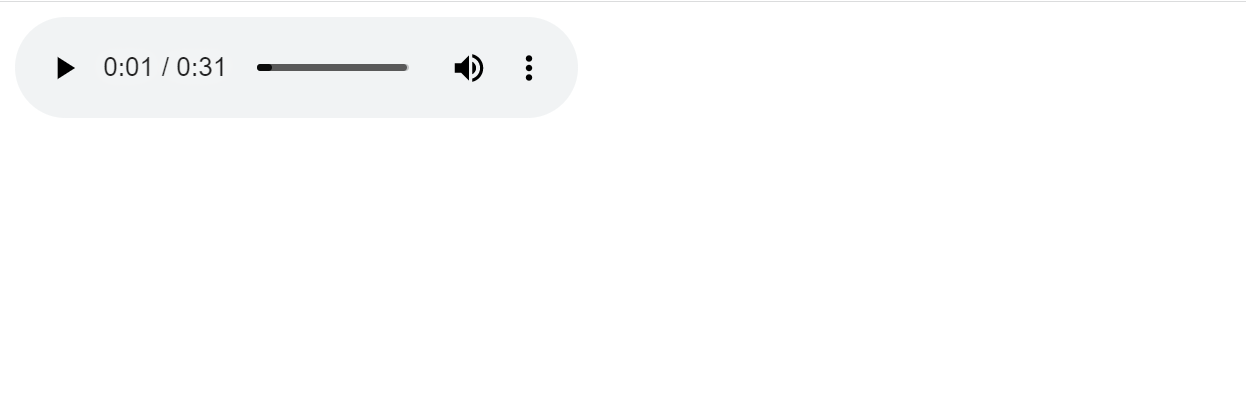
    <audio src="C:\Users\hp\Music\Waalian\_×\_Nira\_Ishq\_×\_Khaab\_--\_Harnoor\_×\_Guri\_×\_Akhil\_--\_Whatsapp\_Status(1080p).mp4.vm.au" controls></audio><br>

</body>

</body>

</html>

**Output:-**



**Embed Video in Webpage :-**

* To embed the video in webpage use the <video> tag.
* And add online video in web page directly use <iframe> tag.
* **Code:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <title>Document</title>

</head>

<body>

    <video src="C:\Users\hp\Videos\Download (1)\Father\_Saab\_(Full\_Video)\_-\_Khasa\_Aala\_Chahar\_-\_Raj\_Saini\_-\_New\_Haryanvi\_Songs\_Haryanavi\_2020(1080p).mp4" controls loop></video><br>

    <iframe width="560" height="315" src="https://www.youtube.com/embed/mrm50KbvGnk" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen>

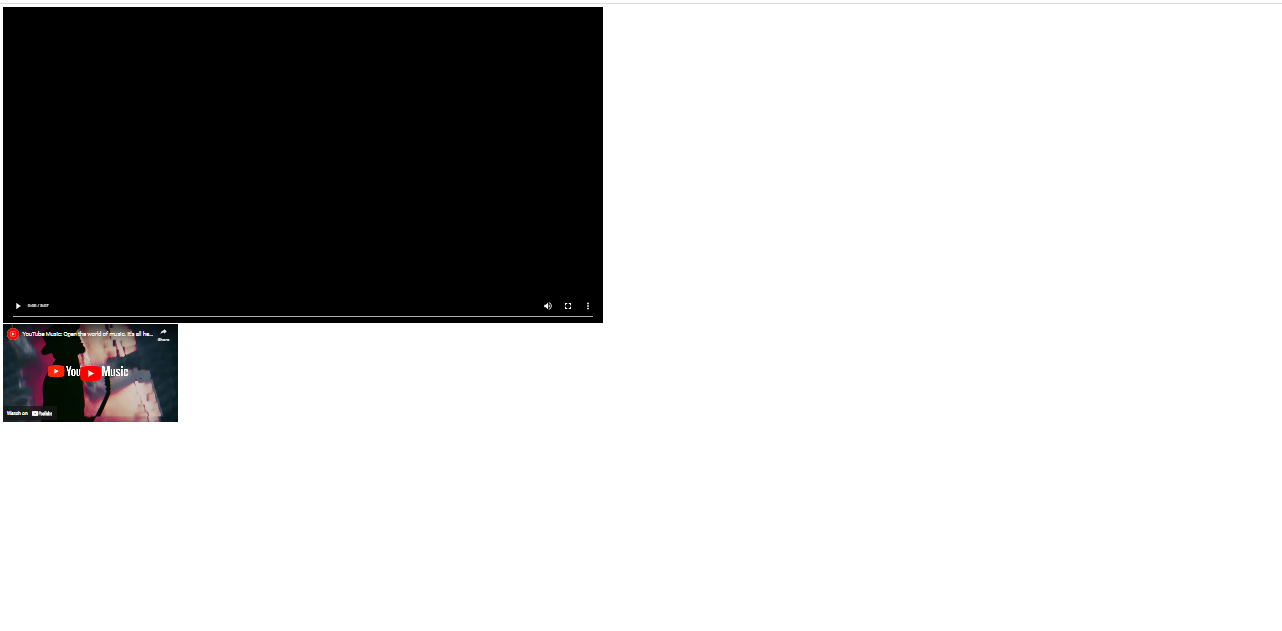
    </iframe><br>

</body>

</body>

</html>

**Output:-**



**3). Semantic element in HTML5?**

**Ans.**

* HTML5 provides more semantic elements which make easy understanding of the code.
* Semantic elements have a simple and clear meaning for both, the browser and the developer.
* 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>
  + <nav>
  + <section>
  + <summary>
  + <time>

**4). Canvas and SVG tags**

**Ans.**

|  |  |
| --- | --- |
| Canvas | SVG |
| Canvas is Script Language. | SVG is Markup Language. |
| It is use in Raster Graphics. | It is use in Vector Graphics. |
| Canvas had no file formats. | SVG had .svg file format use for save the file. |
| In Canvas must have reset for change the drawn shape. | SVG can edit shape after drawing. |
| Canvas doesn’t support event Handler. | SVG support event handler. |
| Canvas had non-searchable. | SVG is searchable. |
| Canvas can be use hardware acceleration. | SVG had not hardware acceleration. |