

WEB DESIGNING ASSIGNMENT

Module(HTML5)-3

1. What are the new tags added in HTML5?

- Article
- Aside
- Audio
- Canvas
- Command
- Datalist
- Details
- Embed
- Figcaption
- Figure
- Footer
- Header
- Hgroup
- Keygen
- Mark
- Math
- Meter
- Nav
- Output
- Progress
- Rp
- Rt
- Ruby
- Section
- Source
- Summary
- Svg

- Time
- Track
- Video
- wbr

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

- To embed audio in HTML, we use the <audio> tag.
- Audio formats – MP3, WAV, OGG.
- Syntax:

```
<audio>
```

```
  <source src="file_name" type="audio_file_type">
```

```
</audio>
```

- To embed video in HTML, we use the <video> tag.
- It contains one or more video sources at a time using <source> tag. It supports MP4, WebM, and Ogg in all modern browsers.
- Syntax:

```
<video>
```

```
  <source src="file_name" type="video_file_type">
```

```
</video>
```

3. Semantic element in HTML5?

- A semantic element clearly describes its meaning to both the browser and the developer.
- Example: <form>, <table>, and <article> - Clearly defines its content.
- Many web sites contain HTML code like: <div id="nav"> <div class="header"> <div id="footer"> to indicate navigation, header, and footer.
- In HTML there are some semantic elements that can be used to define different parts of a web page: <article>, <aside>, <details>, <figcaption>, <figure>, <footer>, <header>, <main>, <mark>, <nav>, <section>, <summary>, <time>

4. Canvas and SVG tags

- SVG:

- SVG stands for Scalable Vector Graphics.
- SVG is used to define graphics for the web.
- SVG is a W3C recommendation.
- HTML <svg> element is a container for SVG graphics.
- SVG has several methods for drawing paths, boxes, circles, text, and graphic images.

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- CANVAS:

- HTML <canvas> element is used to draw graphics, on the fly, via JavaScript.
- The <canvas> element is only a container for graphics. You must use JavaScript to actually draw the graphics.
- Canvas has several methods for drawing paths, boxes, circles, text, and adding images.