Assignment

MODULE: 3 (HTML 5)

1) What are the new tags added in HTML5?

Ans: Element introduced in HTML5:- audio, canvas, command, datalist, detail, embed, figure, footer, header, keygen, mark, math, nav, ruby, section, source, summary, svg, time, track, video, wbr, output, meter, figcaption, (moved)article, (moved)aside.

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

Ans:

Embed audio: To embed audio in HTML, we use the <audio> tag. Before HTML5, audio cannot be added to web pages in the Internet Explorer era. To play audio, we used web plugins like Flash. After the release of HTML5, it is possible. This tag supports Chrome, Firefox, Safari, Opera, and Edge in three audio formats – MP3, WAV, OGG. Only Safari browser doesn't support OGG audio format.

Syntax:

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

Embed video: 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. Only Ogg video format doesn't support in Safari browser.

Syntax

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

3) Semantic element in HTML5 ?

Ans: The semantic elements added in HTML5 are:

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

4) Canvas and SVG tags

Ans:

CANVAS:

The 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.

Example: A canvas is a rectangular area on an HTML page. By default, a canvas has no border and no content. The markup looks like this:

```
<canvas id="myCanvas" width="200" height="100"></canvas>
```

SVG:

SVG stands for Scalable Vector Graphics used to display two-dimensions graphics, charts, and illustration on websites. On addition as a vector file, it can be scalable.