**ASSIGNMENT - 3 (HTML 5)**

1. What are the new tags added in HTML5?

Ans: HTML5 introduces several new semantic elements that provide better structure and meaning to web pages. Some of the notable new tags added in HTML5 include <audio>, <canvas>, <meter>, <nav>, <figure>, <article >, <aside>, <footer>, <header>.

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

Ans: Embedding audio and video in a webpage can be done using the <audio> and <video> tags in HTML5. Here are the basic syntax and examples:

<audio src="audio\_file.mp3" controls>

Your browser does not support the audio element.

</audio>

<video src="video\_file.mp4" controls>

Your browser does not support the video element.

</video>.

3. Semantic element in HTML5?

Ans: In HTML5, semantic elements are a set of elements that provide meaning to the structure of a web page, making it easier for search engines and screen readers to understand the content and layout of the page. These elements are used to define different parts of a web page, such as headers, footers, navigation, articles, sections, and more.

Ex: <header>,<footer>,<nav>,<main>,< section> etc…..

4. Canvas and SVG tags

Ans: In HTML5, <canvas> and <svg> are two elements used for creating graphics and visualizations on the web.

Canvas Element = The <canvas> element is used to create a rectangular area on an HTML page where you can use JavaScript to draw graphics, animations, and interactive visualizations. The canvas element is a bitmap-based graphics system, meaning it uses pixels to render images.

SVG Element== The <svg> element is used to create scalable vector graphics (SVGs) on an HTML page. SVGs are vector-based graphics, meaning they use mathematical equations to render images, making them scalable to any size without losing quality.