ASSINMENT HTML5

**Q1. What are the new tags added in HTML5?**

**Ans.** [New tags added in HTML5](https://www.geeksforgeeks.org/html5-new-tags/):

1. <article>: Represents an independent piece of content of a document, such as a blog entry or newspaper article.
2. <aside>: Represents a piece of content that is only slightly related to the rest of the page.
3. <audio>: Defines an audio file.
4. <canvas>: Used for rendering dynamic bitmap graphics on the fly, such as graphs or games.
5. <command>: Represents a command the user can invoke.
6. <details>: Represents additional information or controls which the user can obtain on demand.
7. <embed>: Defines external interactive content or plugin.
8. <figure>: Represents a piece of self-contained flow content, typically referenced as a single unit from the main flow of the document.
9. <footer>: Represents a footer for a section and can contain information about the author, copyright information, etc.

**Q2. How to embed audio and video in a webpage?**

**Ans.** [Embedding audio and video in a webpage](https://www.geeksforgeeks.org/html5-new-tags/):

To embed audio in HTML, we use the <audio> tag. The syntax is as follows:

**<audio controls>**

**<source src="file\_name"type="audio\_file\_type">**

**</audio>**

To embed video in HTML, we use the <video> tag. The syntax is as follows:

**<video controls>**

**<source src="file\_name" type="video\_file\_type">**

**</video>**

**Q3. Semantic element in HTML5?**

**Ans.** Semantic elements clearly describe their meaning to both the browser and the developer. Examples of semantic elements include <form>, <table>, and <article>.

HTML5 introduced many semantic elements such as <article>, <aside>, <details>, <figcaption>, <figure>, <footer>, <header>, <main>, <mark>, <nav>, <section>, <summary>, and <time>.

**Q4.** [**Canvas and SVG tags**](https://www.geeksforgeeks.org/html5-new-tags/)**:**

**Ans.** SVG (Scalable Vector Graphics) is an XML-based image format that is used to define two-dimensional vector-based graphics for the web. SVG is defined with the <svg> tag.

Canvas is used to draw graphics on the fly, via scripting (usually JavaScript). The <canvas> element is only a container for graphics. You must use a script to actually draw the graphics.

I hope this helps with your assignment! Let me know if you have any other questions.