**Module 5 – Mern stack - HTML5**

**Question 1: Difference between HTML & HTML5?**

* **HTML (Older Versions):**
  + Relied heavily on plugins (like Flash) for multimedia.
  + Had less semantic meaning in its tags, often relying on <div> elements for structure.
  + Limited support for mobile devices.
  + Less capable of handling web applications.
  + Less consistant in error handling.
* **HTML5:**
  + Provides native support for audio and video (<audio>, <video>), eliminating the need for plugins.
  + Introduces semantic tags (<article>, <section>, <nav>, <header>, <footer>) that provide meaning to the content structure, improving accessibility and SEO.
  + Is designed with mobile devices in mind, offering better responsiveness.
  + Enables the development of complex web applications with features like canvas for graphics and local storage.
  + Improved error handling, making webpages load more consistantly.
  + Provides enhanced form controls.
  + Provides API's for geolocation.

In essence, HTML5 is a significant improvement over older HTML versions, providing more functionality, better structure, and enhanced multimedia support.

**Question 2: What are the additional tags used in HTML5?**

HTML5 introduced a range of new tags, particularly focusing on semantics and multimedia. Here are some key examples:

* **Semantic Tags:**
  + <article>: Represents a self-contained composition (e.g., a blog post).
  + <section>: Defines a thematic grouping of content.
  + <nav>: Defines navigation links.
  + <header>: Represents the header of a document or section.
  + <footer>: Represents the footer of a document or section.
  + <aside>: Represents content that is tangentially related to the content around it.
  + <main>: Represents the dominant content of the <body> of a document.
* **Multimedia Tags:**
  + <video>: Embeds video content.
  + <audio>: Embeds audio content.
  + <canvas>: Provides a drawing surface for graphics.
  + <svg>: Embeds scalable vector graphics.
* **Form Related Tags:**
  + <datalist>: Provides a list of pre-defined options for input controls.
  + <output>: Represents the result of a calculation.
* **Other tags:**
  + <details>: Defines details that the user can open and close.
  + <summary>: Defines a visible heading for a <details> element.
  + <mark>: Represents marked or highlighted text.
  + <time>: Defines a date/time.