Module 5 – Mernstack – HTML5
Theory Assignment

Question 1: Difference b/w HTML & HTML5?

Answer:

Point	HTML (Older Version)	HTML5 (Latest Version)
1. Definition	Older version used to create basic web pages	Latest version with more features and modern standards
2. Multimedia Support	No built-in support for audio/video; needed plugins like Flash	Built-in <audio> and <video> tags
3. Semantic Elements	Mostly used <div> for structure	New semantic tags like <header>, <footer>, <section>, <article>, <nav>
4. Form Enhancements	Limited input types	New input types: email, date, number, url, range, etc.
5. Graphics & Animations	Required external plugins for graphics/animation	Supports <canvas> and **SVG** for drawings
6. Offline Storage	Only cookies for storing data	Local Storage, Session Storage, IndexedDB
7. Mobile-Friendly	Not designed for mobile	Supports responsive and works better on mobile devices.

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

Answer:

1. **Semantic Tags (for better structure)**

   - <header> – top section of a webpage *(logo, menu)*
   - <footer> – bottom section *(copyright, contact info)*
   - <section> – different sections *(about, services, gallery)*
   - <article> – independent content *(blog post, news article)*
   - <nav> – navigation area *(menu links)*
   - <aside> – sidebar *(ads, related links)*
   - <main> – main content area *(central page content)*
   - <figure> – image container *(photo with caption)*
   - <figcaption> – caption for a figure *(image description)*

2. Media Tags

- <audio> – play audio *(music, podcast)*
- <video> – play video *(tutorials, trailers)*
- <source> – provide file sources *(multiple audio/video formats)*
- <track> – subtitles/captions *(closed captions in videos)*

3. Graphics Tags

- <canvas> – drawing graphics *(games, charts, animations)*
- <svg> – vector graphics *(icons, shapes, logos)*

4. Form-Related Tags

- <datalist> – autocomplete list *(search suggestions)*
- <output> – display calculation result *(form calculations)*
- <progress> – progress bar *(file upload progress)*
- <meter> – measurement indicator *(rating, score level)*