Frontend – HTML5

1. Difference b/w HTML & HTML5?
   Ans.

HTML

- Standard markup language for creating web pages.

- Older versions (like HTML4) required external technologies (like Flash/JavaScript) for audio, video, and advanced graphics.

- Limited support for mobile and responsive design.

- No built-in APIs for modern web applications

. HTML5

Latest version of HTML with modern features.

Supports audio & video tags directly (no need for Flash).

Introduces semantic tags like `<header>`, `<footer>`, `<article>`, `<section>`.

Provides canvas & SVG for graphics and animations.

Built-in APIs (e.g., Geolocation, Local Storage, WebSockets).

Better support for mobile-friendly and responsive design.

2. What are the additional tags used in HTML5?

Ans

HTML5 introduced many **new semantic and functional tags** to make web pages more structured, multimedia-rich, and interactive.

Here are the **main additional tags in HTML5**:

Semantic Structure Tags

- `<header>` → Defines a page or section header

- `<footer>` → Defines a page or section footer

- `<nav>` → Navigation links

- `<article>` → Self-contained content (e.g., blog post, news)

- `<section>` → Defines a section of content

- `<aside>` → Sidebar or secondary content

- `<main>` → Main content of the page

- `<figure>` → Used for images, diagrams, code snippets

- `<figcaption>` → Caption for `<figure>`

🎵 **Media Tags**

- `<audio>` → Embeds audio files

- `<video>` → Embeds video files

- `<source>` → Specifies multiple media sources

- `<track>` → Subtitles/captions for `<video>` or `<audio>`

🎨 **Graphics & Interactive Content**

- `<canvas>` → Draw graphics via JavaScript

- `<svg>` → Scalable vector graphics

📋 Form Enhancements

- `<datalist>` → Provides autocomplete options for input

- `<keygen>` → Generates encryption key (deprecated now)

- `<output>` → Displays calculation/output results

- `<progress>` → Shows progress bar

- `<meter>` → Displays measurement within a range

👉 These new tags make HTML5 more **semantic, multimedia-friendly, and powerful** compared to older HTML.

Do you want me to also create a **diagram/chart** that groups these HTML5 tags for easier memory?