

Module 5

HTML5

Ques-1: Difference b/w HTML & HTML5?

HTML(HTML4)

Older version of markup language
focused on structure only

HTML5

Latest version of HTML
Adds structure, multimedia

Ques-2 Multimedia Support

HTML

Needs pulgins(like Flash)for video/audio

HTML5

Has <audio> and <video> tag built

Ques-3 New Tags in HTML5

HTML5 introduced new semantic tags like:

<header>, <footer>, <article>, <section>, <nav>, <aside>

HTML does not these.

Ques-4 Graphics and Animation

HTML

No support for graphics

HTML5

Supports <canvas> and <svg> for drawing

Ques-5 Form Features

HTML5 added better form controls:

- . New input types: email, date, range, color, etc.
- . validation using attributes like required, pattern, etc.

HTML does not support these features directly.

Ques-6 offline storage

HTML

HTML5

No support for offline storage Supports localStorage and sessionStorage

Ques-2: What are the additional tags used in HTML5?

1.semantic structure Tags

These tags help define the structure of your web page clearly.

- . <header> - Top area of a page (like a title or logo section).
- . <footer> - Bottom of the page (credits, links, copyright).
- . <nav> - Navigation links section (menus).
- . <main> - Main content of the page (one per page).
- . <Section> - Divides content into logical sections.
- . <article> - Self – contained content (like a blog post).
- . <aside> - Side content (ads, related links).
- . <figure> - used for images, diagram , etc.
- . <figcaption> - Caption for a <figure>.

2. Media Tags

used for embedding media without extra plugins.

- . <video> - To add video.
- . <audio> - To add sound/music.
- . <source> - Defines multiple media file.
- . <track> - For subtitles or captions in video/audio.

3. Form Tags and input types

New elements and types for better forms.

- . <datalist> - Provides suggestions (like autocomplete).
- . <output> - Shows result of a calculations.
- . <progress> - Shows progress bar.
- . <meter> - Shows measurements value (like score).
- . New input types:
email, url, tel, date, time, range, search, color, etc.

4. Interactive Tags

Tags that makes content expandable or interactive.

- . <details> - collapsible content
- . <Summary> - Title for the <details> section.
- . <dialog> - used for modal/pop-up dialogs.

5. Other Useful Tags

- . <mark> - Highlights text.
- . <time> - Represents date or time.
- . <template> - Invisible content for JS use.