

(1) Difference b/w HTML & HTML5?

Ans.

Feature	HTML	HTML5
Version	Earlier versions like HTML 4.01	Latest version of HTML (fifth major revision)
Doctype Declaration	Long and complex: <code><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd"></code>	Simple: <code><!DOCTYPE html></code>
Multimedia Support	Needs third-party plugins (e.g., Flash) for audio/video	Native support for <code><audio></code> and <code><video></code> tags
New Semantic Tags	Lacks many semantic elements	Introduces semantic tags like <code><header></code> , <code><footer></code> , <code><article></code> , <code><section></code>
Graphics Support	Requires plugins like Flash for graphics	Built-in support for <code><canvas></code> and SVG
Storage Options	Relies on cookies for local storage	Includes <code>localStorage</code> and <code>sessionStorage</code> APIs
Form Controls	Limited types (e.g., text, radio, checkbox)	New input types like <code>email</code> , <code>date</code> , <code>range</code> , <code>search</code>
Browser Compatibility	Not optimized for modern devices	Designed with mobile and cross-device support in mind
JavaScript APIs	No built-in APIs	Includes APIs like Geolocation, Drag-and-Drop, Web Workers

(2) What are the additional tags used in HTML5?

Ans.

Semantic Tags (for better structure and readability):

1. `<header>` – Defines a header for a document or section.
2. `<footer>` – Defines a footer for a document or section.
3. `<article>` – Represents a self-contained piece of content.
4. `<section>` – Defines a section in a document.
5. `<nav>` – Defines a navigation menu or links.
6. `<aside>` – Represents content aside from the main content (like a sidebar).
7. `<main>` – Specifies the main content of a document.
8. `<figure>` – Groups media content with a caption.
9. `<figcaption>` – Caption for the `<figure>` element.
10. `<mark>` – Highlights text.
11. `<time>` – Represents a specific time or date.

Media Tags (for audio & video):

12. `<audio>` – Embeds sound content.
13. `<video>` – Embeds video content.
14. `<source>` – Specifies multiple media resources for `<audio>` and `<video>`.
15. `<track>` – Adds subtitles, captions, or descriptions for media.

Graphics and Effects Tags:

16. `<canvas>` – Used to draw graphics via JavaScript.

17. `<svg>` – Scalable Vector Graphics (though introduced earlier, widely used in HTML5).

Form-Related Tags and Attributes:

18. `<datalist>` – Provides an autocomplete feature for input elements.
19. `<output>` – Displays the result of a calculation.
20. `<progress>` – Shows progress of a task.
21. `<meter>` – Represents a scalar measurement (like a disk usage level).