

Website Designing - Html5

Theory Assignment

1)Difference b/w HTML and HTML5?

Aspect	HTML	HTML5
Version	Older standard	Latest standard
Doctype	Long and complex	Simplified: <!DOCTYPE html>
Multimedia	Needs plugins	Supports <audio> and <video>
Semantic Tags	Limited	Adds <header>, <footer>, etc.
Graphics	External tools required	Built-in <canvas> and SVG support
Forms	Basic input types	Adds email, date, placeholder
Offline Storage	Uses cookies	Includes local Storage and session Storage
Performance	Slower, external dependencies	Faster with built-in features
Mobile Support	Not optimized	Mobile-first and responsive
Compatibility	Works with older browsers	Best with modern browsers

2) What are the additional tags used in HTML5?

- Additional Tags in HTML5 (Short Points)
- Semantic Tags:
 - <header>: Defines a header for a section or page.
 - <footer>: Defines a footer for a section or page.
 - <article>: Defines independent, self-contained content.
 - <section>: Defines a thematic grouping of content.
 - <aside>: Defines content aside from the main content (e.g., sidebars).
 - <nav>: Defines navigation links.
 - <main>: Represents the main content of a document.
 - <figure>: Groups media content (e.g., images with captions).
 - <figcaption>: Adds a caption to a <figure>.
- Multimedia Tags:
 - <audio>: Embeds audio content.
 - <video>: Embeds video content.
 - <source>: Specifies multiple media resources.
 - <track>: Provides text tracks for <video> and <audio>.
- Graphics and Interactive Content:
 - <canvas>: Used for drawing graphics via scripting (e.g., JavaScript).
 - <svg>: Embeds scalable vector graphics.
- Form Elements:
 - <datalist>: Provides an autocomplete dropdown for input fields.
 - <keygen> (deprecated): Generates a key-pair for forms.
 - <output>: Displays the result of a calculation.
- Other Tags:
 - <mark>: Highlights text.
 - <time>: Represents date/time.
 - <progress>: Displays progress of a task.
 - <meter>: Represents a measurement or a scalar value.
 - <details>: Creates a disclosure widget for showing/hiding content.
 - <summary>: Defines a summary for the <details> element.
 - <template>: Holds HTML content that is not rendered immediately.
 - <dialog>: Creates a dialog box or interactive component.