Class Notes

Semantic Tag

- These are HTML5 tags that clearly describe the purpose of the content inside them. They are self-explanatory and improve readability and SEO.
- Semantic tags describe the meaning of the content and improve readability, SEO, and accessibility.

List of Semantic Tags:

  - `<header>` – Top section of page or section
  - `<nav>` – Navigation links
  - `<main>` – Main content (only once per page)
  - `<section>` – Thematic grouping of content
  - `<article>` – Self-contained content (blogs, news)
  - `<aside>` – Side content (ads, related links)
  - `<footer>` – Footer of a page or section
  - `<form>`, `<table>`, `<figure>`, `<figcaption>`, `<details>`, `<summary>`

Memory Trick: H-D-A-M-N-S-T-A-F-F

Block-level by default, but can be made inline with CSS.

All 7 Semantic Tags in Details :

- **<main>:** Represents the main content of the document. There should be only one <main> tag per webpage or per page section like Home, Services, etc.
- **<aside>:** Represents side content like advertisements, related links, or side notes.
- **<section>:** Used to define separate sections in a document, like chapters, headers, footers, or any logical grouping. Multiple sections can be used on a page.
- **<article>:** Used for self-contained content like blog posts, news articles, or user comments that can be reused or independently distributed.
- **<footer>:** Represents the footer for a section or page. It usually contains contact info, copyright, terms, etc.
- **<nav>:** Used to define navigation links (like menu, navbar, sidebar links).
- **<header>:** Represents the top section of a page or section. It usually contains logos, headings, or introductory info.

Extra Points:

- Semantic tags improve code readability and accessibility (screen readers understand the layout better).
- They help search engines understand the structure and meaning of the page, which improves SEO.
- They replace old non-semantic tags like <div id="header">, <div id="nav">, etc., making HTML more meaningful.
- Websites usually have multiple pages like **Home, Services, Contact Us, About** — and each page can use these semantic tags for layout.
- Example Layout:

```
<header>Website Logo and Menu</header>
<nav>Navigation Links</nav>
<main>
    <section>Intro Section</section>
    <article>Blog or News</article>
    <aside>Advertisement</aside>
</main>
<footer>Copyright Info</footer>
```