

Week 1 - Day 2: HTML5 Semantic Structure

Topic

Document structure, semantic tags (header, nav, main, section, article, footer).

Learning Objectives

- Understand why semantic HTML matters.
 - Identify common semantic tags and their purpose.
 - Build a clean HTML structure for a simple blog page.
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1) Quick Intro (5 minutes)

Semantic HTML means using tags that describe meaning, not just layout.

Why it matters:

- Better accessibility
 - Better SEO
 - Easier to read and maintain
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2) Key Semantic Tags

Tag | Purpose

header | Top section of a page or section

nav | Navigation links

main | Main content of the page

section | Thematic grouping of content

article | Standalone content (blog post, news)

footer | Bottom section (copyright, links)

3) Workshop: Build a Semantic Blog Page

Step 1: Create a new file

Create a file called blog.html.

Step 2: Paste this starter code

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>My Simple Blog</title>
  </head>
  <body>
    <header>
      <h1>My Simple Blog</h1>
      <p>Thoughts, stories, and ideas.</p>
    </header>

    <nav>
      <a href="#">Home</a>
      <a href="#">About</a>
      <a href="#">Contact</a>
    </nav>

    <main>
      <section>
        <h2>Latest Posts</h2>

        <article>
          <h3>Post Title One</h3>
          <p>Short preview text for the first blog post.</p>
```

```
</article>

<article>
  <h3>Post Title Two</h3>
  <p>Short preview text for the second blog post.</p>
</article>
</section>
</main>

<footer>
  <p>© 2024 My Simple Blog</p>
</footer>
</body>
</html>
```

4) Student Activity

- Add a new blog post
 - Replace titles with your own
 - Add a short bio in the footer
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5) Wrap-Up

- What does main represent?
- Why use article instead of div?
- Which tag would you use for navigation?

Homework:

Add a second section called "Popular Posts" with two more article items.