**✅ Day 2 HTML Notes – Headings, Paragraphs, Links, and Basic Structure**

**🧱 1. Basic HTML Boilerplate**

**Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Page Title</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

content

</body>

</html>

**Explanation:**

* <!DOCTYPE html>: Declares the document type and version of HTML (HTML5).
* <html lang="en">: Root element; lang="en" specifies the language (English).
* <head>: Contains metadata (not visible on the page).
  + <meta charset="UTF-8">: Sets character encoding to UTF-8 (supports all characters).
  + <meta name="viewport" content="width=device-width, initial-scale=1.0">: Makes your page responsive.
  + <title>: Defines the page title shown in the browser tab.
  + <link rel="stylesheet" href="style.css">: Links external CSS file for styling.
* <body>: Contains visible content like text, images, links, etc.

**🗂️ 2. HTML Headings**

**Code Sample:**

<h1>Main Title</h1>

<h2>Sub Title</h2>

<h3>Section Heading</h3>

<h4>Sub-section</h4>

<h5>Minor Heading</h5>

<h6>Smallest Heading</h6>

**Explanation:**

* Headings range from <h1> (largest) to <h6> (smallest).
* Use them **semantically** for structure, not just for size.
* Only **one <h1>** should be used per page for SEO best practices.

**📝 3. HTML Paragraphs (<p>)**

**Code Sample:**

<p style="background-color: thistle;">This is a short paragraph.</p>

<p>This is a long paragraph with dummy text for demonstration...</p>

**Explanation:**

* <p>: Defines a paragraph block.
* Inline CSS example: style="background-color: thistle;" adds a purple background.
* Paragraphs break content into readable blocks.

**🔗 4. HTML Hyperlinks (<a>)**

**Code Sample:**

<a href="https://www.google.com" target="\_blank">Open Google</a>

**Explanation:**

* <a>: Anchor tag used to create hyperlinks.
  + href: URL of the destination.
  + target="\_blank": Opens the link in a new browser tab.
* Used for navigation inside and outside your website.

**📚 5. Bookmark Manager Example**

This project combines headings and links to organize web bookmarks:

<h1>My Bookmarks</h1>

<h2>Primary Bookmarks</h2>

<p><a href="https://www.google.com" target="\_blank">Open Google</a></p>

...

<h2>Secondary Bookmarks</h2>

<p><a href="https://www.stackoverflow.com" target="\_blank">Open Stackoverflow</a></p>

**Real Use Case:**

* Use <h1>, <h2>, and <p> to **group and describe links**.
* Great for building a personalized homepage or bookmark dashboard.

**🧠 Summary Points for Day 2**

| **Tag** | **Use** | **Notes** |
| --- | --- | --- |
| <!DOCTYPE html> | Declares HTML5 document | Always first line |
| <html> | Root element | Includes lang attribute |
| <head> | Metadata | Title, meta tags, CSS links |
| <title> | Page title | Shows in browser tab |
| <link> | Link to CSS | External styles |
| <body> | Page content | Visible content only |
| <h1> to <h6> | Headings | Hierarchical structure |
| <p> | Paragraph | Text block |
| <a> | Anchor tag | Adds hyperlink |
| target="\_blank" | Link behavior | Opens in new tab |

**✅ Homework/Practice:**

* Try creating your own **Bookmark page** with at least 5 links and 3 headings.
* Experiment with paragraph colors using the style.
* Use proper heading structure to plan a blog or a tutorial layout.