Web Development Overview

# 1. History and Evolution of Web Development

- 1991: Tim Berners-Lee created the first website using HTML.  
- Mid-90s: Introduction of JavaScript and CSS.  
- 2000s: Rise of PHP, ASP.NET; dynamic websites.  
- 2010s: Modern JS frameworks (React, Angular), responsive design.  
- Today: Cloud apps, JAMstack, headless CMS, performance focus.

# 2. Frontend vs Backend

Frontend (Client-Side):  
- HTML: Structure  
- CSS: Styling  
- JavaScript: Interactivity  
Popular Frameworks: React, Angular, Vue  
  
Backend (Server-Side):  
- Languages: Node.js, Python, PHP, Java  
- Databases: MySQL, MongoDB  
- Web Servers: Apache, Nginx

# 3. Full-Stack Development

- Combines frontend and backend skills.  
- Skills: HTML, CSS, JS, backend language, database, deployment.  
- Popular Stacks: MERN (MongoDB, Express, React, Node), LAMP (Linux, Apache, MySQL, PHP)

# 4. HTML Introduction and Basics

- HTML: HyperText Markup Language for creating webpages.  
- Basic Structure:  
<!DOCTYPE html>  
<html>  
<head><title>Title</title></head>  
<body>Content</body>  
</html>

# 5. HTML Elements and Attributes

- Elements: Tags like <p>, <h1>, <a>.  
- Attributes: Provide extra info, e.g. <a href='url'>link</a>

# 6. HTML Headings and Paragraphs

- Headings: <h1> to <h6>  
- Paragraphs: <p>...</p>

# 7. HTML Styles

- Inline styles using the style attribute:  
<p style='color:red;'>Styled Text</p>