HTML Course Content

1. Introduction to HTML

- What is HTML?
- History of HTML
- Understanding web browsers and HTML documents
- Basic structure of an HTML document

2. Basic HTML Elements

- Text formatting tags:
  - Headings (<h1> to <h6>)
  - Paragraphs (<p>)
  - Line breaks (<br>)
  - Horizontal rules (<hr>)
  - Emphasis and strong tags (<em>, <strong>)
- Lists:
  - Ordered lists (<ol>)
  - Unordered lists (<ul>)
  - List items (<li>)

3. Links and Anchors

- Creating hyperlinks using the <a> tag
- Absolute vs relative URLs
- Opening links in new tabs (target="_blank")

4. Images

- Embedding images using the <img> tag
- Image attributes (src, alt, width, height)

5. Tables

- Basic table structure (<table>, <tr>, <td>, <th>)
- Adding table captions and headers
- Merging cells (colspan, rowspan)

6. Forms and Inputs

- Creating forms with the <form> element
- Form elements: text boxes, radio buttons, checkboxes, dropdowns, and buttons
- Form attributes (action, method)

- Input types (text, password, email, submit, etc.)

7. Multimedia in HTML

- Embedding videos (<video>)

- Embedding audio (<audio>)

- Using the <iframe> element to embed external content (e.g., YouTube videos)

8. Semantic HTML

- Overview of semantic tags: <header>, <nav>, <article>, <footer>, <section>

- Importance of using semantic elements for accessibility and SEO

9. HTML Attributes

- Common attributes (class, id, title, style)

- Global attributes

- Custom attributes (data-* attributes)

10. HTML5 Features

- Overview of new HTML5
  elements: <article>, <section>, <aside>, <figure>, <figcaption>, <progress>, etc.

- Input types and form enhancements in HTML5

- The <canvas> and <svg> elements for drawing