# HTML5 Beginners 🕐 2 hours of content | Exam

## What is HTML?
- Introduction to HTML (HyperText Markup Language) and its importance in web development.
- Understanding how HTML serves as the foundation of websites and how browsers interpret HTML tags.

## Setting Up an HTML Development Environment
- Installing and configuring a workspace for writing HTML code.
- Working with text editors like Visual Studio Code and setting up a new HTML project.

## HTML Syntax
- Understanding HTML syntax, including tag structure, opening and closing tags, and proper formatting for writing clean HTML code.

## The Base Structure
- Creating the basic structure of an HTML page using <html>, <head>, and <body>, and understanding their roles.

## Page Titles
- How to define a page title using the <title> tag.
- Discussing the importance of titles for SEO and how they appear in the browser tab.

## Paragraphs and Headings
- Using <p> for paragraphs and <h1> to <h6> for headings.
- Creating a clear content hierarchy on the page with structured text elements.

## Whitespace
- Explaining how spacing between tags does not affect page display.
- Best practices for writing clean and readable code, even if whitespace is not rendered.

## Nesting HTML Elements
- Understanding how HTML elements can be nested within others, and how this creates a dynamic and organized page structure.

## Bold, Italics, and Underlines
- Using <b>, <i>, and <u> tags to emphasize text: bold, italic, and underline.
- Best practices for enhancing readability through text styling.

## The <div> Element
- Using <div> to create content blocks.
- Understanding its role as a container for grouping related elements for styling and layout.

## Block vs. Inline Elements
- Difference between block-level elements (occupy full width) and inline elements (flow within a line).
- When and how to use each type for proper page layout.

## Linking
- Creating links to other pages using the <a> tag.
- Working with internal and external links, including navigation within the same site or to external domains.

## Opening Links in a New Tab
- Using attributes to open links in a new tab or window.

## Adding Images
- Embedding images in a page using the <img> tag.
- Setting the src attribute for image paths and the alt attribute for accessibility and SEO.

## Linking an Image to Another Page
- Making an image a clickable link by wrapping <img> inside an <a> tag.

## Horizontal Rules and Line Breaks
- Using <hr> to insert horizontal dividers and <br> to create line breaks without new paragraphs.

## HTML Comments
- Adding comments in the code to document and explain sections without affecting the page display.

## Bullet Point Lists
- Creating unordered lists (bullet points) using <ul> and <li>.
- Nesting lists within other lists for structured display.

## Project Demo
- End-to-end capstone project implementing everything learned throughout the course.