

Introduction to HTML (2 Days)

Class Overview

This course is for students new to HTML. It begins with an introduction to web technologies and then provides a comprehensive overview of HTML.

Goals

1. Learn the basics of web development.
2. Learn to create links in HTML documents.
3. Learn to add images to HTML documents.
4. Learn to create HTML tables.
5. Learn to work with audio and video.

Course Outline

1. A Quick Overview of Web Development

- A. Client-side Programming
 - I. HTML
 - II. Cascading Style Sheets
 - III. JavaScript 1
 - IV. Ajax
 - V. JavaScript Frameworks
- B. Server-side Programming
 - . Java EE
 - I. ASP.NET
 - II. Python
 - III. PHP
 - IV. ColdFusion
 - V. Node.js

2. Introduction to HTML

- . Getting Started
 - A. A Simple HTML Document
 - B. The HTML Skeleton
 - . The <head> Element
 - I. The <body> Element
 - II. Whitespace
 - C. HTML Elements
 - . Attributes
 - I. Empty vs. Container Tags
 - II. Blocks and Inline Elements
 - III. Comments
 - D. Special Characters
 - E. History of HTML
 - F. lang Attribute

3. Paragraphs, Headings, and Text

4. HTML Links

- . Text Links
 - A. Absolute vs. Relative Paths
 - . Absolute Paths
 - I. Relative Paths
 - II. Default Pages
 - B. Targeting New Windows
 - C. Email Links
 - D. Adding Links
 - E. Targeting a Specific Location on the Page
 - F. The title Attribute

5. HTML Images

- . Inserting Images
 - . Making Images Accessible
 - I. Alternative Text
 - II. Long Descriptions
 - III. Height and Width Attributes
 - A. Image Links
 - B. Adding Images to the Page

6. HTML Lists

- . Unordered Lists
 - . Nesting Unordered Lists
 - A. Ordered Lists
 - . Nesting Ordered Lists
 - I. The type Attribute
 - II. The start Attribute
 - B. Definition Lists
- C. Creating Lists

7. HTML Tables

- . Creating Tables
 - . Adding a Caption
 - A. thead, tbody, and tfoot
 - B. Merging Cells
 - C. Creating Tables

8. Sectioning a Web Page

- . Semantic Block-Level Elements
 - . The article Tag

9. Audio and Video

- . Supported Media Types
 - A. The audio Element
 - . Audio Formats
 - I. audio Tag Attributes
 - B. The video Element
 - . video Tag Attributes
 - C. Video
 - D. Accessibility