Web Design Essentials: Basic Coding

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We are here to help!

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Today We Will Learn How To . . .

• Identify the how webpages are built with coding
• Recognize HTML tags, CSS style sheets, and JavaScript language, and their effects
• Understand and apply appropriate basic coding to manipulate information on a webpage
The 3 Core Languages

HTML, CSS, JavaScript Explained // fast 4 minute summary (with LEGO)
What is HTML?

• Hyper Text Markup Language
• Provides the content/structure for webpages
• Labels content: heading, paragraph, etc.
The Importance of HTML

1. Introducing HTML
   - The importance of HTML
     - 3m 20s
   - Basic HTML syntax
     - 8m 42s
   - The current state of HTML
     - 5m 54s
   - HTML resources
     - 5m 28s
   - Choosing a code editor
     - 5m 14s
Let’s Practice!

Search for "w3schools html" on Google to practice HTML.

- **HTML Basic**
  - Don’t worry if these examples use tags you have not learned. You...
  - **Introduction**
    - What is HTML? HTML is the standard markup language for...
  - **Try it Yourself**
    - Any code can be removed without warning (if it is deemed...

- **HTML Examples**
  - **HTML5**
    - In the next chapter, HTML5 Support, you will learn how to...
  - **HTML Tables**
    - They can contain all sorts of HTML elements: text, images, lists...

- **W3Schools Online Web Tutorials**
  - [https://www.w3schools.com/](https://www.w3schools.com/)
  - DOCTYPE html> <html> <head> <title>HTML Tutorial</title> <body> <h1>This is a heading <h1> <p>This is a paragraph.</p> <p>Try it Yourself » ...

- **How Build a Web Site - W3Schools**
  - [https://www.w3schools.com/howto/howto_website.asp](https://www.w3schools.com/howto/howto_website.asp)
  - DOCTYPE html> A meta tag should define the character set to be UTF-8: <meta charset="UTF-8">. A viewport meta tag should make the web site work on all ...

- **HTML Reference - W3Schools**
  - [https://www.w3schools.com/tags/](https://www.w3schools.com/tags/)
  - HTML Element Reference: `<Home Next>`, HTML Tags Ordered Alphabetically ... `<embed>`, Defines a
What is CSS?

- Cascading Style Sheets
- Controls the look and feel of website
- Can apply ‘styles’ to multiple web pages or a repeating aspect within a webpage, such as font
- More (video)
What is JavaScript?
| **w3schools** | **Online tutorials:**  
| | • HTML  
| | • CSS  
| | • JavaScript |
| **Lynda.com** | **Online Video Courses:**  
| | • HTML Essential Training  
| | • CSS Fundamentals  
| | • JavaScript For Web Designers |
Did We Learn How To . . . ?

- Identify the ways that code underlies how the web is built and changed.
- Recognize basic HTML tags, CSS style sheets, and JavaScript language, and their effects.
- Understand and apply appropriate basic coding to manipulate and display information & data on the web.