Building Your First Web Page: "Hello World"

Welcome to the exciting world of web development! In this series, you'll learn how to build your first web page - the classic "Hello World" example.

IV by IT Vedant

Setting Up Your Development Environment

1 ## Text Editor

Choose a powerful text editor like Visual Studio Code or Sublime Text to write your HTML code.

2 ## Web Browser

Install a modern web browser like Google Chrome or Mozilla Firefox to preview your web page.

3 ## Local Server

Consider using a local web server like Live Server to test your page as you build it.

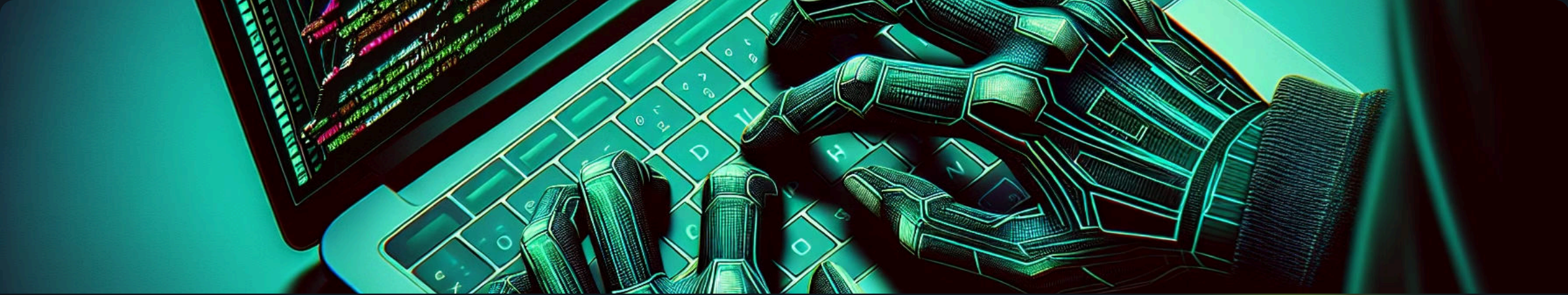# Basic HTML Structure

HTML Tags

The core building blocks of a web page are HTML tags like `<html>`, `<head>`, and `<body>`.

Document Structure

These tags define the overall structure and layout of your web page's content.

Nesting Tags

Tags are nested inside each other to create a hierarchical document tree.

Displaying Text with HTML Tags

Headings

Use `<h1>` to `<h6>` tags to create headings of different sizes.

Paragraphs

Wrap regular text content inside `<p>` tags to create paragraphs.

Formatting

Apply bold, italic, or strikethrough using `<b>`, `<i>`, or `<s>` tags.

Lists

Create ordered (`<ol>`) or unordered (`<ul>`) lists with `<li>` tags.

Inserting Images and Links

Images

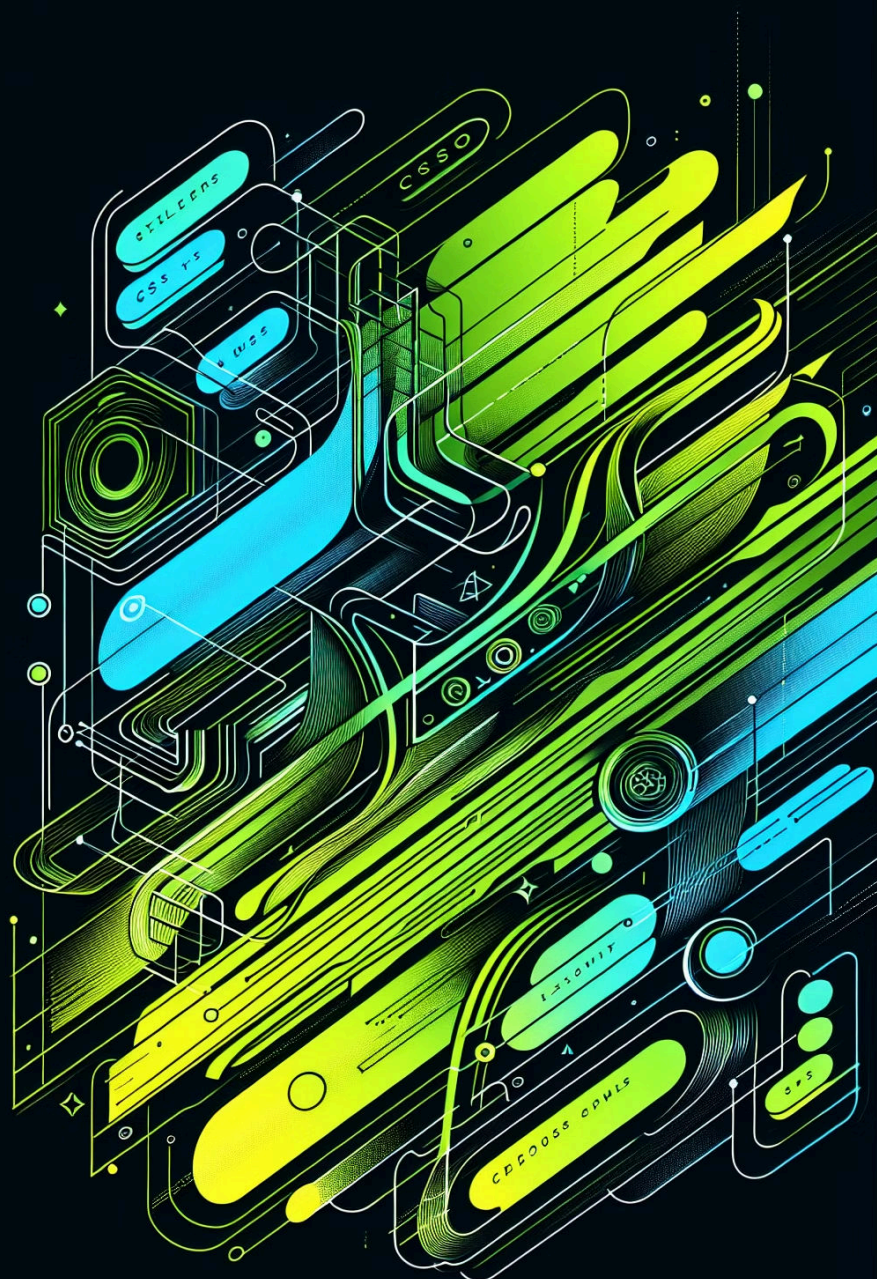Use the `<img>` tag to add images to your web page.

Links

Create hyperlinks with the `<a>` tag and the `href` attribute.

Optimization

Consider image size and format to ensure fast page loading.

Styling with CSS

1 **Selectors**
Use CSS selectors to target specific HTML elements.

2 **Properties**
Define styles like color, font, and layout with CSS properties.

3 **Cascading**
Understand how styles cascade and inherit through the document.

Testing and Debugging

1 **Browser Inspection**

Use browser developer tools to inspect and debug your HTML and CSS.

2 **Validation**

Check your code for errors using HTML and CSS validators.

3 **Iterative Improvement**

Test your page, fix issues, and repeat the process until it's perfect.

Hosting and Publishing

GitHub Pages	Free hosting for HTML, CSS, and JavaScript.
Netlify	Simplified deployment and hosting for static sites.
Vercel	Seamless hosting for front-end frameworks like React.
Bluehost	Affordable shared hosting with a custom domain.