



Introduction to Web Development

Welcome to the world of web development! In this exciting lesson, we will embark on a journey to create interactive web pages using HTML structure and CSS styling.

As a beginner, you are likely familiar with browsing the internet and using various websites, but have you ever wondered how these websites are created? In this lesson, we will explore the basics of web development, focusing on HTML and CSS, and learn how to create our own web pages.

Understanding HTML Structure

HTML (Hypertext Markup Language) is the standard markup language used to create web pages. It provides the structure and content of a web page, including headings, paragraphs, images, links, and more.

HTML uses a variety of tags to define different elements, such as `

` for headings, `

` for paragraphs, and `` for images. These tags are used to create the structure and content of a web page.

Basic HTML Tags

Let's take a look at some basic HTML tags:

- `

` - Heading 1

- `

` - Paragraph

- `` - Image
- `` - Link

Creating a Basic Web Page

Now that we've learned some basic HTML tags, let's create a basic web page!

Open a text editor and create a new file. Save the file with a `.html` extension. Then, add the following code:

```
<html>
  <head>
    <title>My First Web Page</title>
  </head>
  <body>
    <h1>Welcome to My First Web Page</h1>
    <p>This is my first web page!</p>
  </body>
</html>
```

Introduction to CSS

CSS (Cascading Style Sheets) is used to control the layout and appearance of web pages.

CSS is used to add styles, such as colors, fonts, and spacing, to HTML elements. It's a powerful tool for creating visually appealing and user-friendly web pages.

Basic CSS Selectors

Let's take a look at some basic CSS selectors:

- `h1` - Selects all `h1`

`h1` elements

- `p` - Selects all `p` elements
- `#id` - Selects an element with a specific ID
- `.class` - Selects all elements with a specific class

Creating a CSS Stylesheet

Now that we've learned some basic CSS selectors, let's create a CSS stylesheet!

Open a text editor and create a new file. Save the file with a `.css` extension. Then, add the following code:

```
h1 {  
  color: #00698f;  
  font-size: 36px;  
}  
  
p {  
  color: #666;  
  font-size: 18px;  
}
```

Linking CSS to HTML

To link our CSS stylesheet to our HTML file, we need to add a `<link>` tag to the `<head>` section of our HTML file.

Add the following code to the `<head>` section of your HTML file:

```
<link rel="stylesheet" type="text/css" href="style.css">
```

Conclusion

Congratulations! You've completed the introduction to HTML and CSS.

In this lesson, we've learned the basics of HTML and CSS, and how to create a basic web page. We've also learned how to add styles to our web page using CSS.

Reflection

Take a moment to reflect on what you've learned.

1. What did you learn about HTML and CSS?
2. How do you think you can apply what you've learned to create your own web pages?
3. What questions do you still have about HTML and CSS?