Introduction to HTML and CSS Basics for Young Developers

Welcome to the World of Web Development!

In this exciting lesson, we will be exploring the basics of HTML and CSS, the building blocks of the internet. As young developers, it's essential to have a solid understanding of these fundamental concepts to create and design your own websites, understand how the internet works, and develop essential coding skills.

What is HTML?

HTML, or HyperText Markup Language, is used to create the structure and content of web pages. HTML consists of a series of elements, such as headings, paragraphs, and links, which are represented by tags. These tags are used to define the structure and content of a web page, and are read by web browsers to render the page.

What is CSS?

CSS, or Cascading Style Sheets, is used to control the layout and visual styling of web pages. CSS consists of a series of rules, known as styles, which are applied to elements on a web page. These styles can be used to change the appearance of elements, such as the color, font, and size, and can also be used to layout elements on the page.

Let's Get Started!

In this lesson, we will be learning about the basic syntax and elements of HTML, as well as the fundamentals of CSS styling. We will also be practicing writing our own HTML and CSS code, and applying styles to create a simple web page.

Activity 1: HTML Tag Matching

Match the following HTML tags with their corresponding functions:

1. : _____

2. : _____

3. : _____
4. : _____

Activity 2: CSS Styling

Use the following CSS code to style a web page:

```
p { color: blue; }
```

What will happen to the text on the web page?

Activity 3: Web Page Creation

Create a simple web page using HTML and CSS. Include the following elements:

- A heading
- A paragraph
- An image
- A link

Quiz Time!

1. What is the purpose of the tag in HTML?
   - a) To define the structure and content of a web page
   - b) To control the layout and visual styling of a web page
   - c) To add interactivity to a web page
   - d) To create a new web page
2. What is the difference between HTML and CSS?
   - a) HTML is used for structure and content, while CSS is used for layout and visual styling
   - b) HTML is used for layout and visual styling, while CSS is used for structure and content
   - c) HTML is used for interactivity, while CSS is used for structure and content
   - d) HTML is used for structure and content, while CSS is used for interactivity

Conclusion

In this lesson, we learned about the basics of HTML and CSS, and practiced writing our own code. We also learned about the importance of online safety and etiquette, and how to create a simple web page using HTML and CSS.

What's Next?

In the next lesson, we will be learning about JavaScript basics and how to add interactivity to a web page. We will also be building a personal website using HTML, CSS, and JavaScript.

Glossary

- HTML: HyperText Markup Language
- CSS: Cascading Style Sheets
- Tag: A markup element used to define the structure and content of an HTML document
- Element: A self-contained piece of content in an HTML document
- Selector: A CSS rule used to target specific HTML elements and apply styles
- Property: A CSS attribute used to define a specific style or characteristic
- Value: A specific value assigned to a CSS property

Resources

- CodePen: A digital tool used to write, edit, and showcase HTML and CSS code
- W3Schools: A website providing comprehensive tutorials, examples, and reference materials for HTML and CSS
- Mozilla Developer Network: A website providing detailed documentation and resources for HTML and CSS