



## HTML and CSS Basics

### Section 1: Learn

#### What is HTML?

- **HTML** stands for **HyperText Markup Language**.
- It is the standard language used to create and design web pages.
- HTML provides the structure of a webpage using **tags** and **elements**.

#### Why Learn HTML?

- It is the **foundation** of web development.
- Every website uses HTML to structure content.
- Learning HTML is a stepping stone to other technologies like **CSS** and **JavaScript**.
- It is easy to learn and practice.

#### How HTML Works

- HTML uses a **markup language** with tags to describe elements.
- Tags are enclosed in angle brackets `< >`.
- Most tags come in **pairs**: an opening tag `<tag>` and a closing tag `</tag>`.
- Example: `<p>Hello, World!</p>`

#### Anecdote: The Origin of HTML

- HTML was created by **Tim Berners-Lee** in 1993.
  - It was designed to share scientific documents over the internet.
  - Fun Fact: The first website is still available at [info.cern.ch](http://info.cern.ch).
-



## Section 2: Practice

### Basic HTML Document Structure

A simple HTML document looks like this:

```
<!DOCTYPE html>

<html>

  <head>

    <title>My First Page</title>

  </head>

  <body>

    <h1>Welcome to My Website</h1>

    <p>This is a paragraph explaining my website.</p>

  </body>

</html>
```

#### Explanation:

- **<!DOCTYPE html>**: Declares the HTML version.
- **<html>**: The root element.
- **<head>**: Contains metadata like title and styles.
- **<title>**: Displays the page title on the browser tab.
- **<body>**: Contains all visible content.

#### Comments in HTML

- Comments are useful for adding notes or explanations in code.
- They are ignored by the browser.
- Syntax: **<!-- This is a comment -->**



## Practice Exercise

1. Create an HTML page with:
    - A title that says "My First Web Page"
    - A heading with your name
    - A paragraph about your hobbies
  2. Add a comment explaining your code.
- 

## Section 3: Know More

### FAQs

#### Q1: Can I write HTML without a `<!DOCTYPE html>`?

- Yes, but the browser may not interpret your code correctly.
- Always include it to ensure proper rendering.

#### Q2: Is HTML case-sensitive?

- No, HTML is not case-sensitive.
- However, using lowercase is recommended for clean code.

#### Q3: Can I add images and links using HTML?

- Yes! Use the `<img>` tag for images and the `<a>` tag for links.
- Example:

```
  
<a href="https://www.example.com">Visit Example</a>
```

#### Q4: How do I view my HTML file?

- Save the file with a `.html` extension.
- Open it in any web browser like **Chrome** or **Firefox**.

#### Q5: What are the common mistakes in HTML?



- Missing closing tags.
- Incorrect nesting of elements.
- Using spaces in file names.
- Forgetting to declare `<!DOCTYPE html>`.

---

That's a solid foundation for HTML basics! Practice regularly and soon you'll be creating your own websites.