

Lesson:

Writing a Hello World program in HTML and HTML comments



Topics Covered

- Introduction to HTML
- Basic Structure of HTML Doc
- Comments in HTML

Introduction to HTML

HTML stands for **HyperText Markup Language**. It is a markup language used to create web pages and web applications.

Let's understand the HTML definition terms,

1. **Hypertext** - Word Hypertext comes from hyperlinks, which means to connect web pages via links.
2. **Markup** - To define and present text content.
3. **Language** - Language gives rules and syntax to follow while writing any code.

HTML is the standard markup language for creating documents that are meant to be displayed on the internet.

Basic Structure of HTML Doc

Let's create our First HTML Doc - **"Hello World"**

Step 1: Create a new file with the name **"index.html"**.

Step 2: Paste following code into the file and save.

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8" />
    <title> Hello, World!</title>
  </head>
  <body>
    <h1>Hello, World!</h1>
    <p>This is my first HTML page.</p>
  </body>
</html>
```

Step 3: Open the file using any Browser and we are done with our first HTML project.

Hello, World!

This is my first HTML page.

Now, let's go through the different parts of this HTML code:

◀**DOCTYPE html**▶: This is the doctype declaration, which specifies the version of HTML being used in the document. In this case, it's HTML5.

◀**html**▶: This is the root element of the HTML document, and it contains all the other elements in the document.

◀**meta**▶: `<meta charset="utf-8" />`, is an HTML element that specifies the **character encoding** for a webpage. Here, character encoding refers to the process of representing characters in such a way that computers can understand.

◀**head**▶: This is the head section of the HTML document, which contains meta-information about the document, such as the title of the web page that appears in the browser's title bar or tab.

◀**title**▶: This is the title tag, which sets the title of the web page. In this example, it's set to "Hello, World!".

◀**body**▶: This is the body section of the HTML document, which contains the visible content of the web page, such as headings, paragraphs, and more.

◀**h1**▶: This is a heading tag, used to define a top-level heading. In this example, it displays the text "Hello, World!" as a heading.

◀**p**▶: This is a paragraph tag, used to define a paragraph of text. In this example, it displays the text "This is my first HTML page." as a paragraph.

Comments in HTML

HTML has special syntax for including comments in the code, which are not visible to users when rendered in browsers.

Comments in HTML are used to include notes or explanations in the code, which can be helpful for understanding complex code logic.

Syntax:

Unset

1. Single Line

```
<!-- Here you can write comments. -->
```

2. Multiline

```
<!--
```

```
Here you can write comments  
in mutiple lines as well.
```

```
-->
```

Example:-

Lets add comments in our "Hello Word" page,

Unset

```
<!-- Hello Word Page -->

<!DOCTYPE html>
<html lang="en-US">

<!-- Head contain meta-information about the document -->
  <head>
    <meta charset="utf-8" />
    <title> Hello, World!</title>
  </head>

<!-- Body contains visible content of the document -->
  <body>
    <!-- Page Heading -->
    <h1>Hello, World!</h1>

    <!-- Simple Paragraph -->
    <p>This is my first HTML page.</p>
  </body>
</html>
```