

HTML Introduction

HTML is the standard markup language for creating Web pages.

What is HTML?

- HTML stands for Hyper Text Markup Language
 - HTML is the standard markup language for creating Web pages
 - HTML describes the structure of a Web page
 - HTML consists of a series of elements
 - HTML elements tell the browser how to display the content
 - HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.
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A Simple HTML Document

Example

```
<!doctype html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>My first heading</h1>
<p>My first paragraph</p>
</body>
```

</html>

Example Explained

- The `<!DOCTYPE html>` declaration defines that this document is an HTML5 document
 - The `<html>` element is the root element of an HTML page
 - The `<head>` element contains meta information about the HTML page
 - The `<title>` element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
 - The `<body>` element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
 - The `<h1>` element defines a large heading
 - The `<p>` element defines a paragraph
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What is an HTML Element?

An HTML element is defined by a start tag, some content, and an end tag:

`<tagname>` Content goes here... `</tagname>`

The HTML element is everything from the start tag to the end tag:

`<h1>`My First Heading`</h1>`

`<p>`My first paragraph.`</p>`