

HTML

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Abstract

1 Introduction

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- HTML describes the structure of a Web page
- HTML elements tell the browser how to display the content
- HTML elements are represented by tags
- Browsers do not display the HTML tags, but use them to render the content of the page

2 Usage

All HTML documents must start with a document type declaration: `<!DOCTYPE html>`.

The HTML document itself begins with `<html>` and ends with `</html>`.

The visible part of the HTML document is between `<body>` and `</body>`.

3 Tags

An HTML element usually consists of a start tag and an end tag, with the content inserted in between: `<tagname>Content goes here...</tagname>`

The HTML element All HTML elements can have attributes. Attributes provide additional information about an element. Attributes are always specified in the start tag. Attributes usually come in name/value pairs like: `name="value"`

It is everything from the start tag to the end tag: `<p>My first paragraph.</p>`

4 Attributes

- All HTML elements can have attributes
- Attributes provide additional information about an element
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- Attributes usually come in name/value pairs like: `name="value"`

5 CSS

Used to style web pages. CSS stands for Cascading Style Sheets.

CSS describes how HTML elements are to be displayed on screen, paper, or in other media.

CSS saves a lot of work. It can control the layout of multiple web pages all at once.

CSS can be added to HTML elements in 3 ways:

Inline - by using the style attribute in HTML elements
Internal - by using a `<style>` element in the `<head>` section
External - by using an external CSS file

The most common way to add CSS, is to keep the styles in separate CSS files. However, here we will use inline and internal styling, because this is easier to demonstrate, and easier for you to try it yourself.

6 Tables

An HTML table is defined with the `<table>` tag.

Each table row is defined with the `<tr>` tag. A table header is defined with the `<th>` tag. By default, table headings are bold and centered. A table data/cell is defined with the `<td>` tag. Example