

Html & CSS

For beginners



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01

What is Html & CSS

HTML



What is Html ?

HTML stands for **Hyper Text Markup Language**, describes the structure of a Web page, consists of a series of elements which tell the browser how to display the content.



What is CSS ?

CSS stands for **Cascading Style Sheets**, describes how HTML elements are to be displayed on screen, paper, or in other media, It can control the layout of multiple web pages all at once.

Example of html & CSS from life





02

Simple Html Document

Editor

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

Browser

My First Heading

My first paragraph.

Used elements above

- `<!DOCTYPE html>` defines that this document is an HTML5 document
- `<html>` is the root element of an HTML page
- `<head>` contains meta information about the HTML page
- `<title>` specifies a title for the HTML page
- `<body>` defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- `<h1>` element defines a large heading
- `<p>` element defines a paragraph



03

Html elements and attributes

Html Elements

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

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

Examples of some HTML elements:

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

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



Elements

```
graph TD; Elements[Elements] --> Nested[Nested]; Elements --> Empty[Empty];
```

Nested

Elements can contain other elements.

example: `<html>`, `<body>`, `<h1>`, `<p>`...

Nested elements have start and end tag.

example: `<html>` Content `</html>`

Empty

Elements with no content are called empty elements.

example: `
`, ``, `<input>`, `<link>`...

Empty elements have only start tag.

example: `
`

Headings

HTML headings are defined with the `<h1>` to `<h6>` tags.

`<h1>` defines the most important heading. `<h6>` defines the least important heading.



Editor

```
<!DOCTYPE html>
<html>
<body>

<h1> Soft Club </h1>
<h2> Soft Club </h2>
<h3> Soft Club </h3>
<h4> Soft Club </h4>
<h5> Soft Club </h5>
<h6> Soft Club </h6>

</body>
</html>
```

Browser

Soft Club

Soft Club

Soft Club

Soft Club

Soft Club

Soft Club

Paragraphs

The HTML `<p>` element defines a paragraph.

A paragraph always starts on a new line, and browsers automatically add some white space before and after a paragraph.



Editor

```
<!DOCTYPE html>
<html>
<body>

<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>

</body>
</html>
```

Browser

This is a paragraph.

This is a paragraph.

This is a paragraph.

Html Attributes

HTML attributes provide additional information about HTML elements. Attributes are always specified in **the start tag**

Attributes usually come in name/value pairs like: name="value"

Example:

```
<a href="https://www.SoftClub.tj">Visit  
Softclub</a>
```

```

```



List of some main Attributes

The **href** attribute of `<a>` specifies the URL of the page the link goes to

The **src** attribute of `` specifies the path to the image to be displayed

The **width** and **height** attributes of `` provide size information for images

The **alt** attribute of `` provides an alternate text for an image

The **style** attribute specifies an inline style for an element.

Images

The HTML `` tag is used to embed an image in a web page. Images are linked to web pages.

`` tag is empty, it contains attributes only, and does not have a closing tag, has two required attributes.

src - Specifies the path to the image

alt - Specifies an alternate text for the image



Editor

```
<!DOCTYPE html>
<html>
<body>

<h2>HTML Image</h2>


</body>
</html>
```

Browser

HTML Image



Comments

With comments you can place notifications and reminders in your HTML code

Comments can be used to hide content. Which can be helpful if you hide content temporarily:

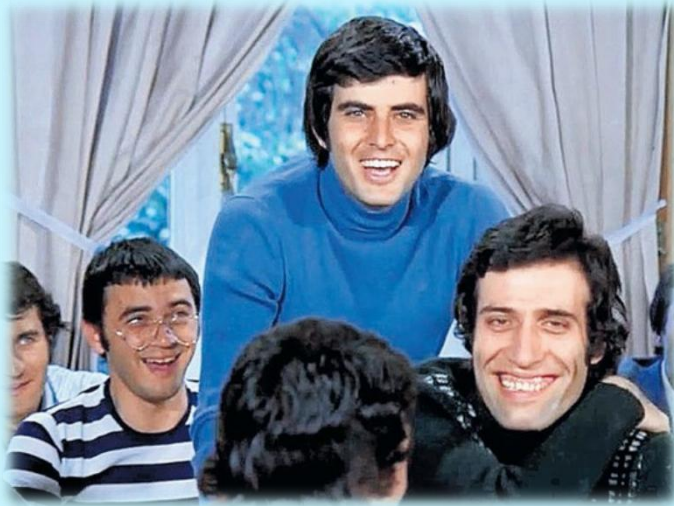
```
<!-- This is a comment -->
```

```
<p>This is a paragraph.</p>
```

```
<!-- Remember to add more information here -->
```



Be happy and Smile



Thanks!

“Don't ever let someone tell you, you can't do something. You got a dream, you got to protect it. People can't do something themselves, they want to tell you you can't do it. You want something, go get it. Period.”
— Pursuit of Happiness