

Basics of HTML

CS100

What is HTML

HTML - Hypertext markup language

HTML is the standard markup language for Web pages

They describe structure of a web page

What is HTML element?

What are HTML tags and attributes?

Web browser

You can use the web browser to fetch some things on the web with a URL

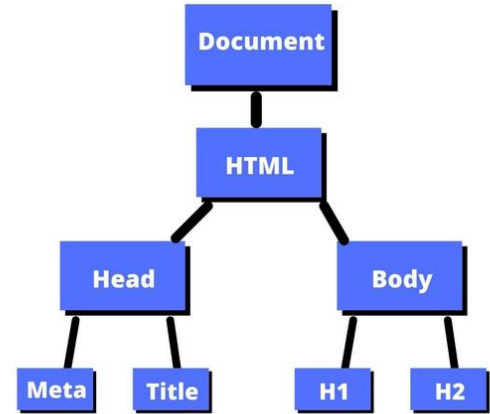
<https://en.wikipedia.org/wiki/HTML>

It contains scheme, Server domain name, port, path to the resource

Returns a HTML file

HTML Parsing and rendering

- HTML parsing
Tokenization
Eg :- `<head> </head>`, `<html>`, `<body>`, ``, `<h1>`
- HTML rendering a web page
Parsed tokens are converted into nodes which end up creating a tree
- The browser engine has the responsibility of displaying this tree



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Article Talk

Firefox

From Wikipedia, the free encyclopedia

For other uses, see [Firefox \(disambiguation\)](#)

"Phoenix (web browser)" redirects here. For the Phoenix browser based on Gecko, see [Phoenix \(web browser\)](#).

Mozilla Firefox is a free and open source web browser descended from the Mozilla Application Suite managed by Mozilla Corporation. As of January 2012, Firefox has approximately 26% of worldwide usage share of web browsers, making it the second or the third most widely used browser, according to different estimates. The browser has had particular success in [Europe](#) and [Africa](#), where it is the most popular browser with 52% usage and 45% respectively.

To display web pages, Firefox uses the [Gecko layout engine](#), which implements most current web standards in addition to several features that are intended to anticipate likely additions to the standards.

Firefox runs on various operating systems including Microsoft Windows, Linux, Mac OS, and many other platforms. Its current stable release is version 11.0, released on March 13, 2012.

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1 History

1.1 Early versions

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1.8.2 Version 13.0

2 Version 11

2.1 Released versions

2.2 Development versions table

2.3 Support Release (ESR)



Basic construction of a HTML page

```
<html>
```

```
<head>
```

```
<title>Here goes your title</title>
```

```
</head>
```

```
<body>
```

```
<h1>header</h1> <p>para</p>
```

```
</body>
```

```
</html>
```

Heading

<h1>Heading 1</h1>

<h2>Heading 2</h2>

<h3>Heading 3</h3>

<h4>Heading 4</h4>

<h5>Heading 5</h5>

<h6>Heading 6</h6>

HTML tags

Paragraph tag : `<p> </p>`

Hr tag : `<hr>`

Line breaks : `
`

Pre tag : `<pre> </pre>` why is this required?

Comments : `<!-- comments here -->`

Title : `<title> </title>`

HTML formatting elements

`` - Bold text

`` - Important text

`<i>` - Italic text `` - Emphasized text

`<mark>` - Marked text

`<small>` - Smaller text

`` - Deleted text

`<ins>` - Inserted text

`<sub>` - Subscript text

`<sup>` - Superscript text

Quotations, abbreviations and others

`<blockquote>` : defines a section that is quoted from another source

`<q>` : quotation

`<abbr>` : abbreviation

`<address>` : like a pre tag with italic text

`<cite>` : defining a work title

Links in HTML

Defines an anchor link `<a> `

Attributes of anchor tag

`href` : location of the URL

`target` : where to open the URL

`mailto` : opening the default mail system on your system

How to use bookmarks using links to jump to a specific part in the page

Absolute URL vs relative URLs

Images in HTML

` `

Attributes

src : how to give the location of the image

alt : text to be displayed if there is some error loading the image

height : height of the image

width : width of the image

Tables

A table consists of Rows and columns

`<table>`

For table headers : `<th>`

For rows: `<tr>`

For cells : `<td>`

Colspan attribute and rowspan attribute

HTML lists

Unordered list ` `

Ordered list ` `

List items ` `

What is the type attribute in list element?

Difference between div and span

`<div>` : Always starts on a new line and takes up full width available

`` : Does not start on a new line and only take the required amount of width

What are HTML entities?

` `

`<`

`>`

`©`

HTML forms

User create a HTML form for user input : `<form>`

Input element : `<input>`

How to use type attribute to display different types of elements

Label element for display label for different form elements : `<label>`

Select button as a dropdown list : `<select>`

Textarea : `<textarea>`

Button : `<button>`