

HTML

“HyperText Markup Language”

the basic structure of the webpage;
home to the raw content and the
organizational elements of a webpage

HyperText Markup Language

“a markup language is a computer language that uses tags to define elements within a document. It is human-readable, meaning markup files contain standard words, rather than typical programming syntax.”

each individual web page is
an html document.

a website is usually a collection of
many html documents linked together

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>
    <h1>A Heading</h1>
    <p>A paragraph!</p>
  </body>
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Page Title</title>
```

```
  </head>
```

```
  <body>
```

```
    <h1>A Heading</h1>
```

```
    <p>A paragraph!</p>
```

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  </body>
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    <title>Page Title</title>
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  <body>
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    <h1>A Heading</h1>
```

```
    <p>A paragraph!</p>
```

```
  </body>
```

```
</html>
```



```
<!DOCTYPE html>
```

```
<html>
```

meta-data

```
<head>
```

```
<title>Page Title</title>
```

```
</head>
```

```
<body>
```

```
<h1>A Heading</h1>
```

```
<p>A paragraph!</p>
```

```
</body>
```

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</html>
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  <head>
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```
    <title>Page Title</title>
```

```
  </head>
```

```
  <body>
```

```
    <h1>A Heading</h1>
```

```
    <p>A paragraph!</p>
```

```
  </body>
```

```
</html>
```

the content

A diagram consisting of a light blue rounded rectangle with a thin black border. This rectangle encloses the HTML code for the body:

```
<body>  
  <h1>A Heading</h1>  
  <p>A paragraph!</p>  
</body>
```

 A line extends from the right side of this rectangle to a separate light blue rounded rectangle containing the text "the content".

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Page Title</title>
```

```
</head>
```

```
<body>
```

```
<h1>A Heading</h1>
```

```
<p>A paragraph!</p>
```

```
</body>
```

```
</html>
```

a series of
containers...

element anatomy

The diagram illustrates the structure of an HTML element. It consists of three parts: a starting tag, the content, and an ending tag. These are represented by the code `<p>some text...</p>`. Brackets above the code label the opening tag as 'tag', the text as 'content', and the closing tag as 'tag'. A larger bracket below the entire code sequence labels the whole thing as 'element'.

tag content tag

`<p>some text...</p>`

element

elements

<code><h1>, <h2>, <h3></code>	heading tags
<code><p></code>	paragraph tag
<code></code>	image tag
<code><a></code>	hyperlink
<code></code>	un-ordered list
<code></code>	ordered list
<code></code>	list item
<code><div></code>	division (general block container)
<code></code>	division (general in-line container)

opening and closing

`<p></p>`

`<p>`content goes in between`</p>`

`<div>`

open

`</div>`

closed

no closing needed

```
  
<br>  
<hr>
```

or...

```
  
<br />  
<hr />
```

attributes

```
<a href="https://good.com">good</a>
```



attribute



```
<div class="specific"></div>
```

```
<a href="https://good.com" class="nice">  
nice, good</a>
```


attributes

<p>Hello...</p>

Hello...

attributes

```
<p class="nice">Hello...</p>
```

Hello...

```
.nice {  
  font-family: giddyup;  
  font-size: 72px;  
  color: green;  
}
```

defaults

Chrome

```
<p>Hello...</p>  
<p>Heyo...</p>
```

Hello...

Heyo...

Firefox

```
<p>Hello...</p>  
<p>Heyo...</p>
```

Hello...

Heyo...

*(not the actual defaults, just a demonstration)

block and in-line elements

block

`<p></p> <div></div>`

`<p>`

`<div>`

inline

`<a> `

`<a>`

``

``

```
<!-- this is a comment in HTML -->
```

```
<!-- this is the end -->
```