

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

```
</html>
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<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <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>`, and `</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...

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

```
<head>
```

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

```
</head>
```

```
<body>
```

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

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

```
</body>
```

```
</html>
```

# element anatomy

The diagram illustrates the structure of an HTML element. It shows the text `<p>some text...</p>` with three labels above it: `tag` above `<p>`, `content` above `some text...`, and `tag` above `</p>`. Brackets are used to group these parts: a bracket under `<p>` and another under `</p>`, and a larger bracket under the entire string `<p>some text...</p>`. The word `element` is centered below the largest bracket.

tag      content      tag

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

element

# basic elements

<h1> ... <h6>

headings

<p>

paragraph

<img>

image

<a>

hyperlink

<ul>

un-ordered list

<ol>

ordered list

<li>

list item

<div>

division (general block container)

<span>

division (general in-line container)

# opening and closing

<p></p>

<p>content goes in between</p>

<p>

open

</p>

closed

no closing needed

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

or...

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



# attributes

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

|

attribute

|

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

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

```
nice and good</a>
```

attributes

<p>Hello...</p>

Hello...

attributes

```
<p style="color: green;">Hello...</p>
```

Hello...

# 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> <img> <span></span>`

`<a>`

`<img>`

`<span>`

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

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