

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

```
</html>
```



```
<!DOCTYPE html>
```

```
<html>
```

meta-data

```
<head>
```

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

```
</head>
```

```
<body>
```

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

```
  </body>
```

```
</html>
```

the content

A blue rounded rectangle contains the text "the content". A line extends from the right side of this rectangle, goes down, and then left, ending at the right edge of a box that encloses the HTML body content (the <body> tag and its children).

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

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

```
</body>
```

```
</html>
```

a series of
containers...

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

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

```
</body>
```

```
</html>
```

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 identify the components: the first bracket under `<p>` is labeled 'tag', the second bracket under `some text...` is labeled 'content', and the third bracket under `</p>` is labeled 'tag'. A larger bracket below the entire code sequence is labeled 'element'.

tag content tag

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

element

basic elements

<h1> ... <h6>

heading tags

<p>

paragraph tag

image tag

<a>

hyperlink

un-ordered list

ordered list

list item

<div>

division (general block container)

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>`

``

``

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

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