

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>
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```
  <body>
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  </body>
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```
  </body>
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```
</html>
```



```
<!DOCTYPE html>
```

```
<html>
```

meta-data

```
<head>
```

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

```
</head>
```

```
<body>
```

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

```
  </body>
```

```
</html>
```

the content

A blue rounded rectangle containing the text "the content" is connected by a thin black line to the opening tag of the <body> element in the HTML code above. The line starts from the right side of the <body> tag and extends horizontally to the right, then turns vertically down to connect to the top-left corner of the blue box.

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

```
<body>
```

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

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

```
</body>
```

```
</html>
```

a series of
containers...

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

```
</html>
```

element anatomy

The diagram illustrates the structure of an HTML element. It shows the components 'tag', 'content', and 'tag' aligned with the parts of the code snippet below. Brackets are used to group these components into the full 'element'.

tag content tag

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

element

basic elements

<h1> ... <h6>

headings

<p>

paragraph

image

<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 -->
```