

HyperText Markup Language

طراحی صفحات وب

History

- By Tim Bernes-Lee
- At 1993
- Intended to share documents



Structure



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     Just a simple HTML Page.
8   </body>
9 </html>
```

index.html

HTML Tags

```
<html lang="en">content</html>
```

- Starts with `<`, Ends with `>`
- Has a name
- Can have attributes/properties
- Can have content

HTML Head Tag

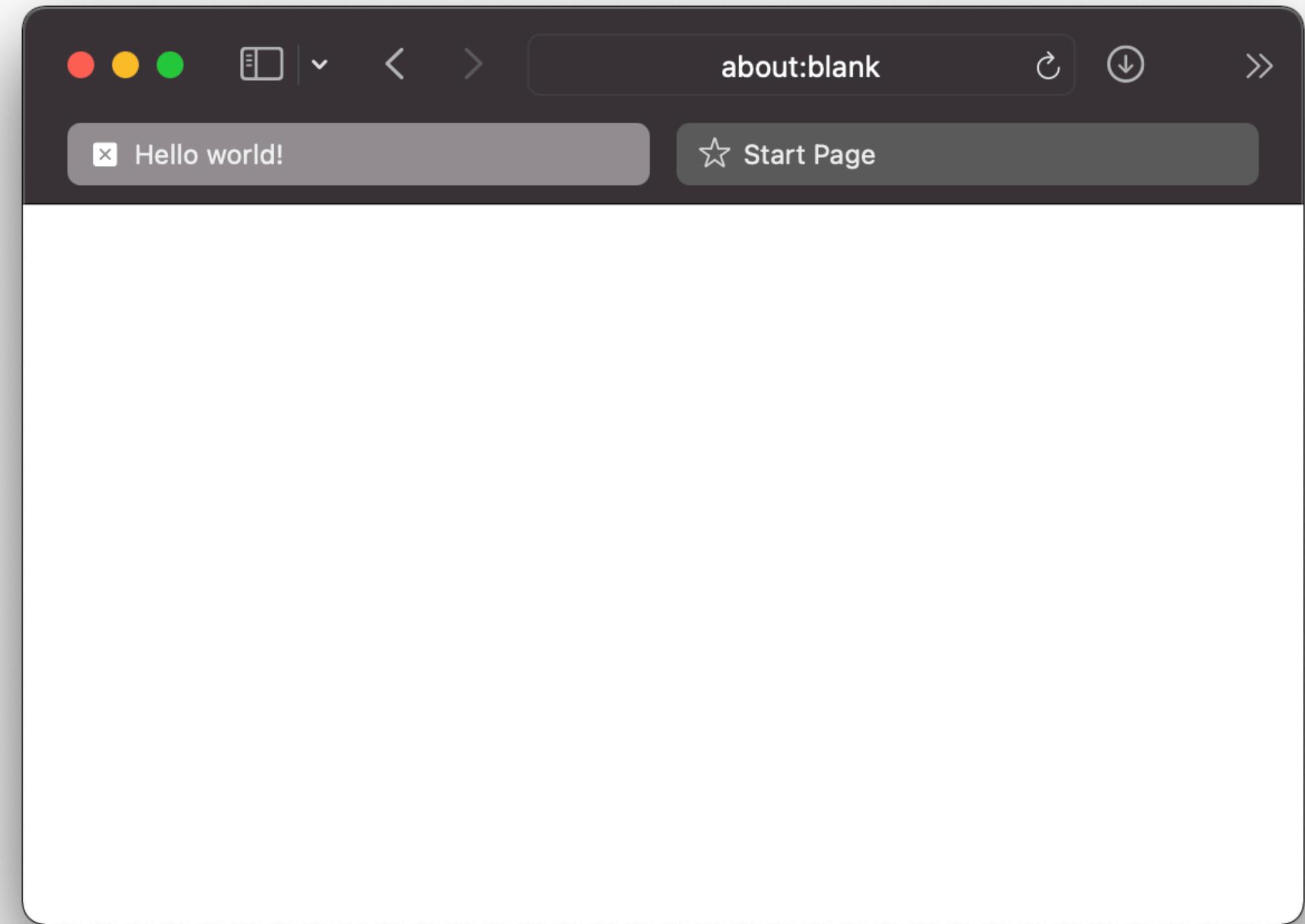
Meta data about the page

```
<head>  
    <title>Hello world!</title>  
</head>
```

- Not for humans.
- Provides info about how to read the page.

HTML Title Tag

Title of the page



HTML Body Tag

The actual content

<body>

Just a simple HTML Page.

</body>

- What you actually see.
- For humans.

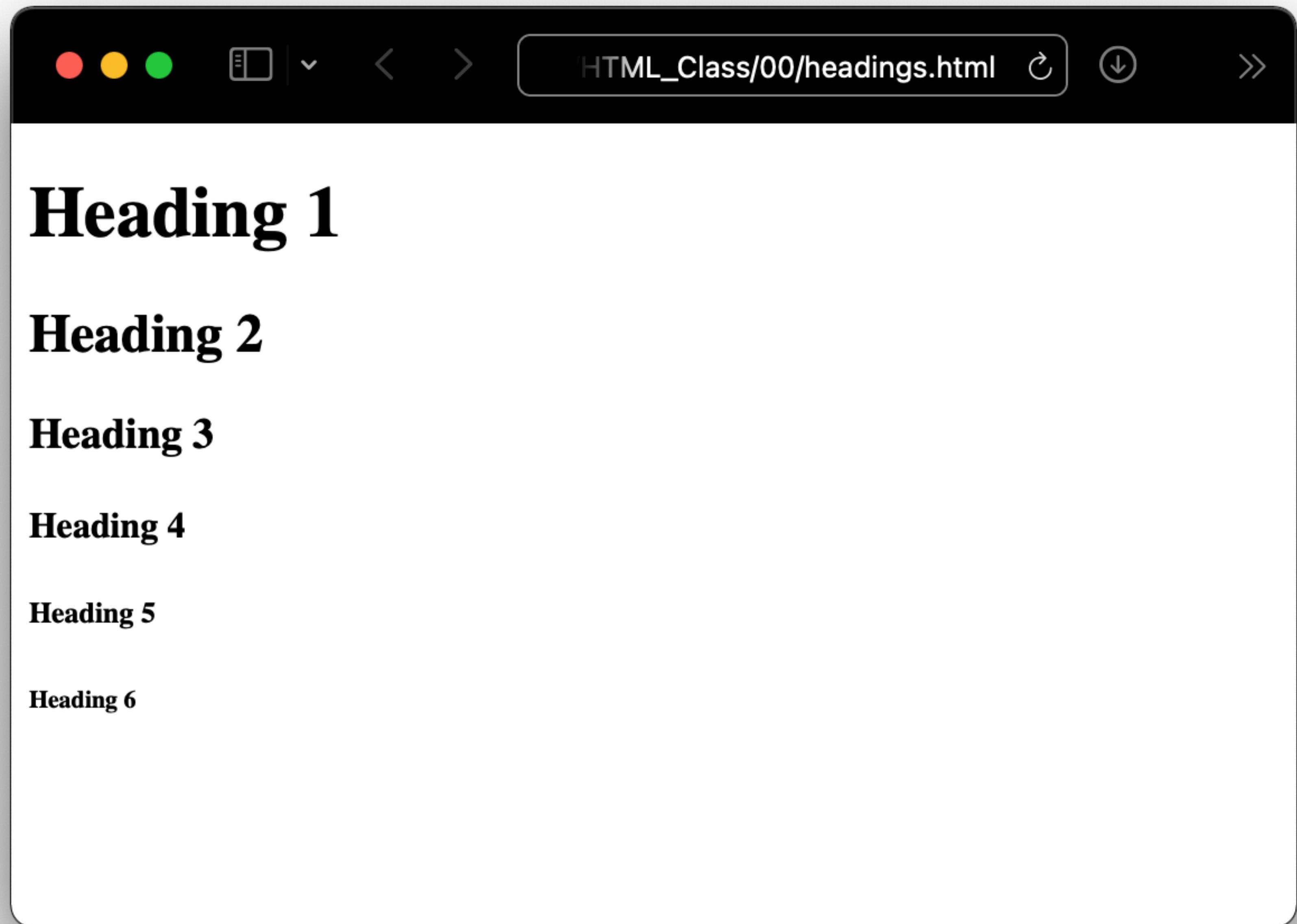
Heading Tags

h1, h2, h3, h4, h5, and h6

They show important titles.



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     <h1>Heading 1</h1>
8     <h2>Heading 2</h2>
9     <h3>Heading 3</h3>
10    <h4>Heading 4</h4>
11    <h5>Heading 5</h5>
12    <h6>Heading 6</h6>
13  </body>
14 </html>
```

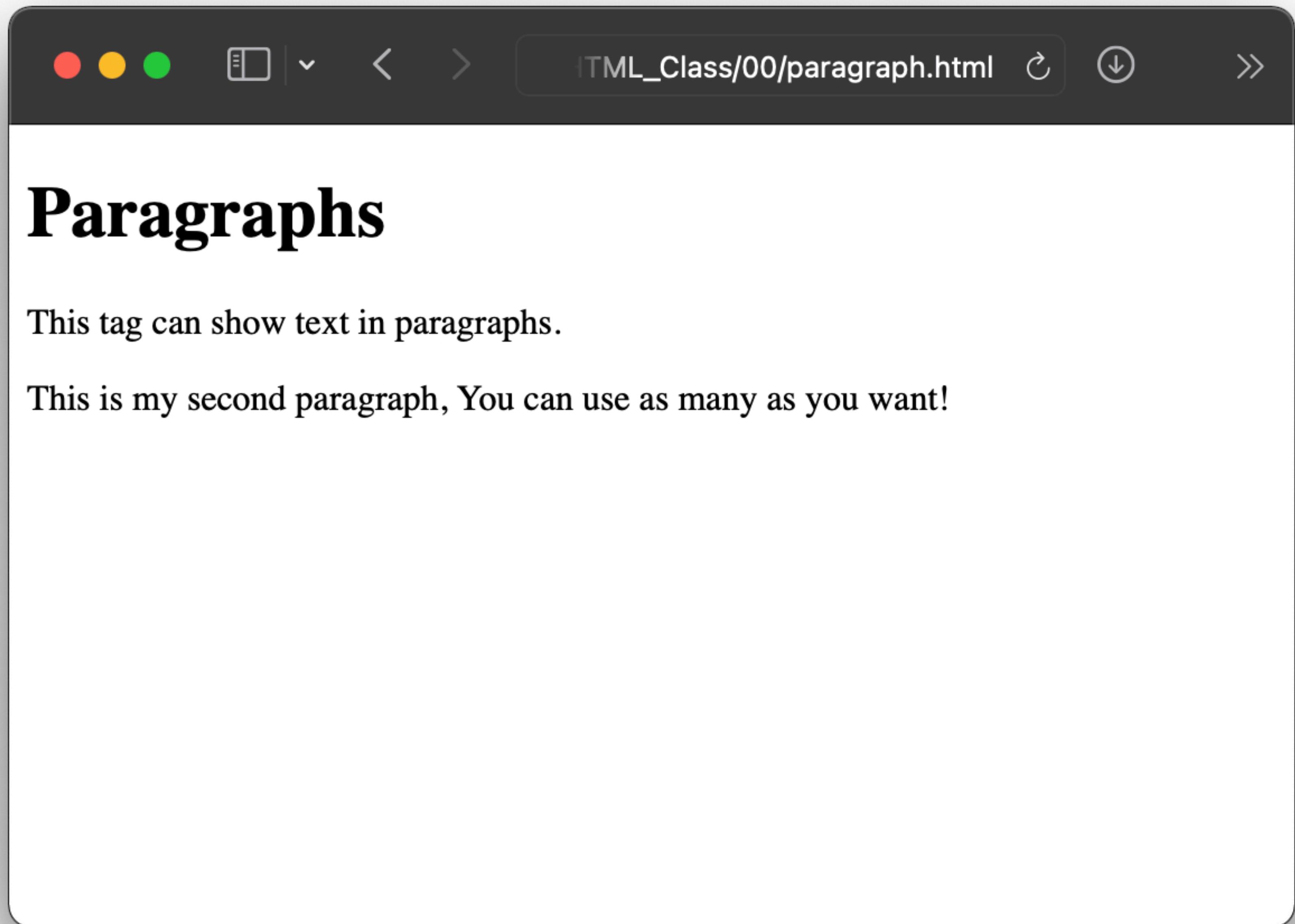


Paragraph Tag

Creates a paragraph of text.



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     <h1>Paragraphs</h1>
8     <p>This tag can show text in paragraphs.</p>
9     <p>
10       This is my second paragraph,
11       You can use as many as you want!
12     </p>
13   </body>
14 </html>
```

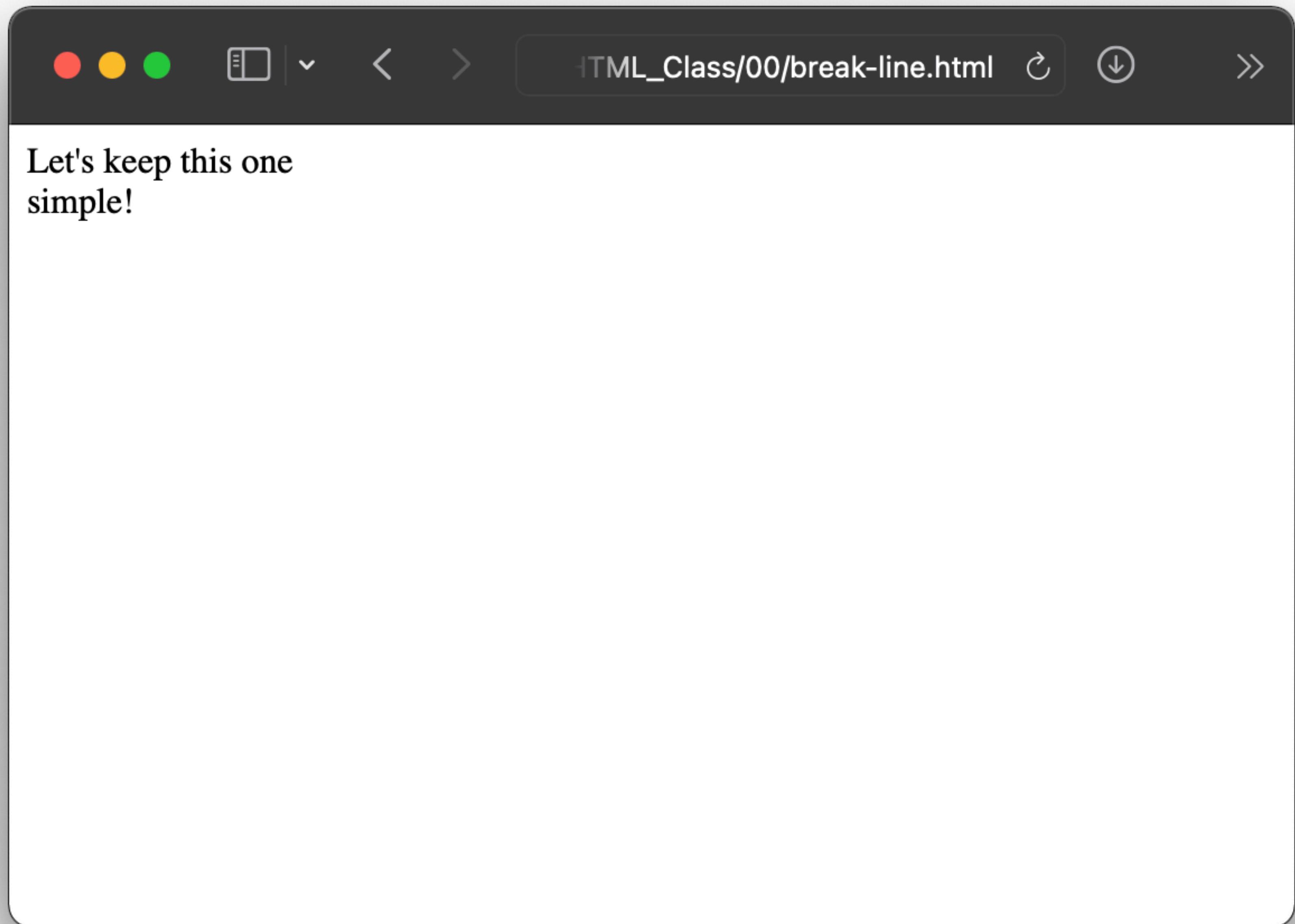


Break-line Tag

Allows you to go to
The next line.



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     Let's keep this one<br />simple!
8   </body>
9 </html>
```



Tags Structure

Paired Tags

These tags have content

<body>

Just a simple HTML Page.

</body>

- Has an opening, like `<body>`
- Has a closing like `</body>`
- Has **content** in between opening and closing.

Unpaired Tags

These tags DO NOT have content

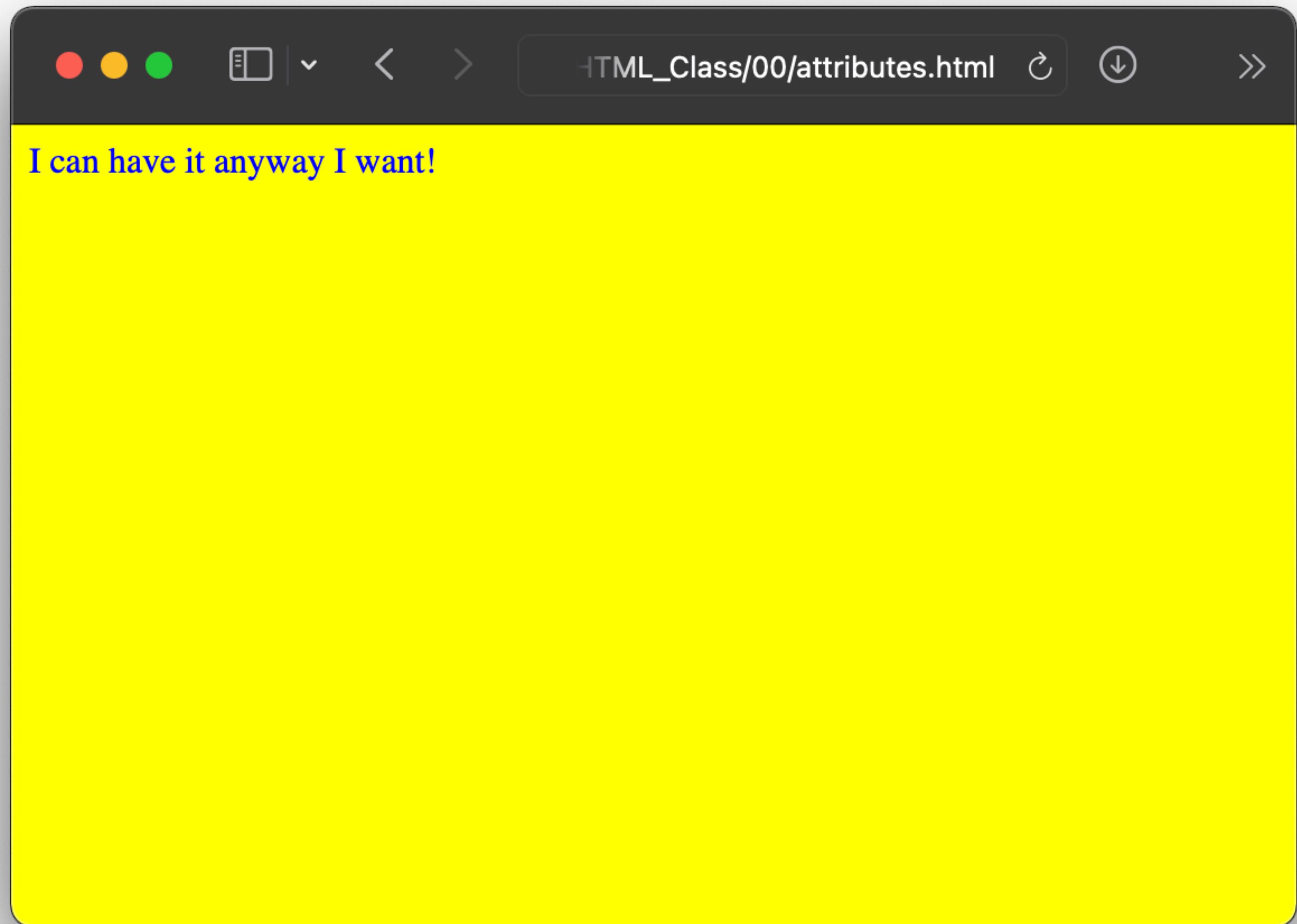
Let's keep this one
 simple!

- Has no content!
- Opens with `<
- Closes with `>`

Tags Attributes

```
<body bgcolor="yellow" text="blue">  
    I can have it anyway I want!  
</body>
```

- Has a **name**
- Can have a **value**



Text Decoration Tags

Strong, *Emphasized*, or Inserted.



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     <p>This is <strong>Strong!</strong></p>
8     <p>This is <em>Emphasized!</em></p>
9     <p>This is <ins>Inserted!</ins></p>
10   </body>
11 </html>
```

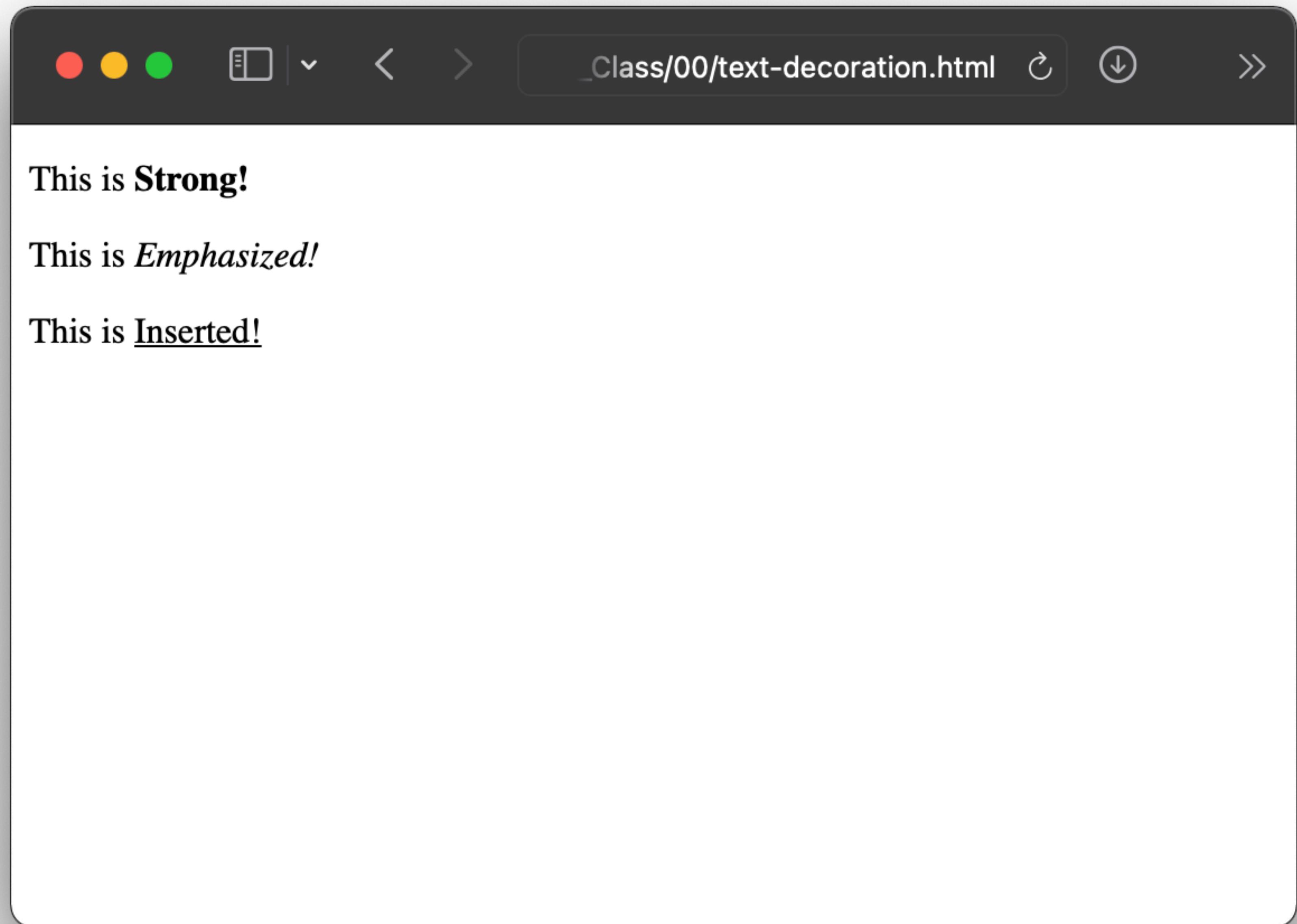
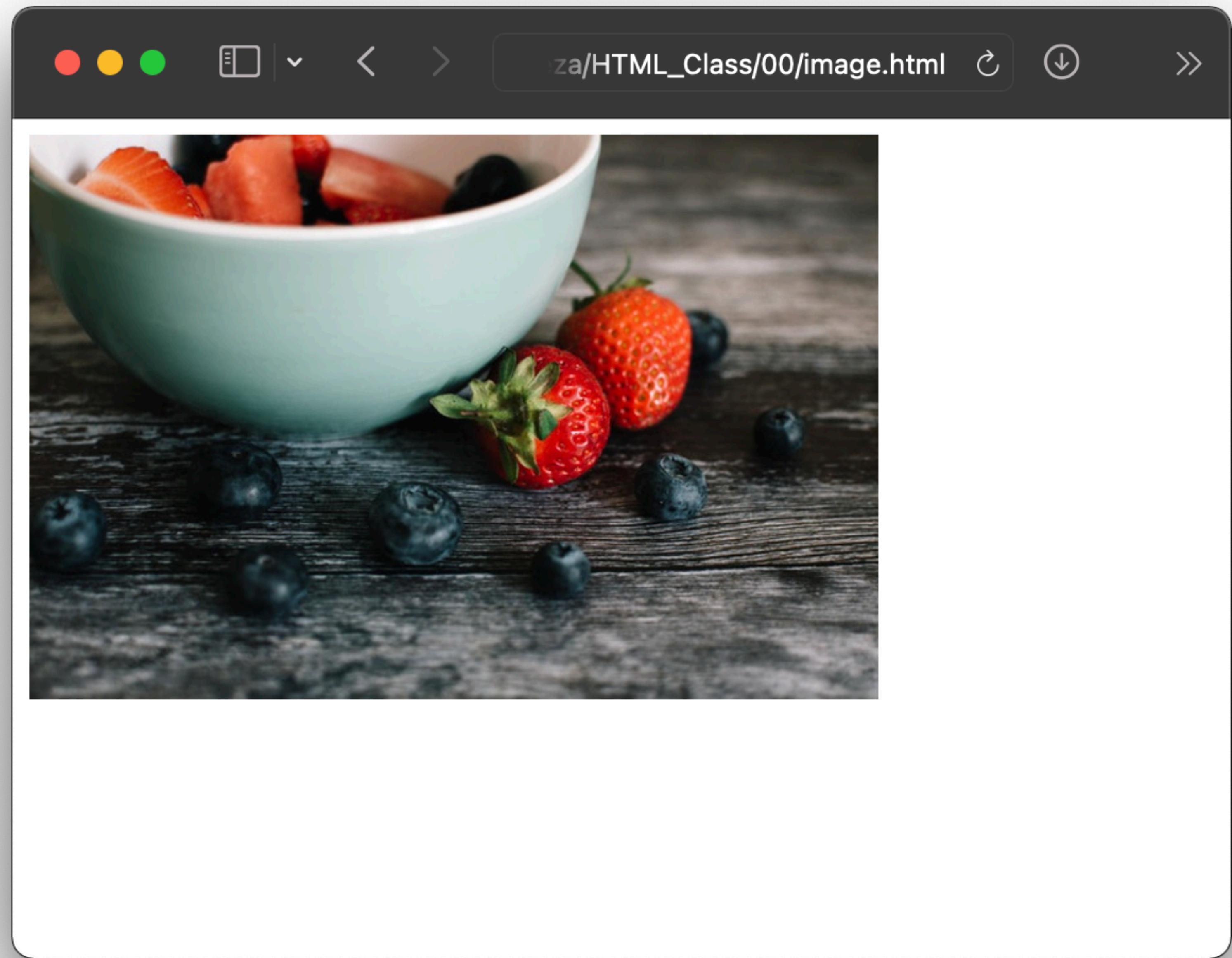


Image Tag

Show cool images on web



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     
12  </body>
13</html>
```



Addressing and Paths

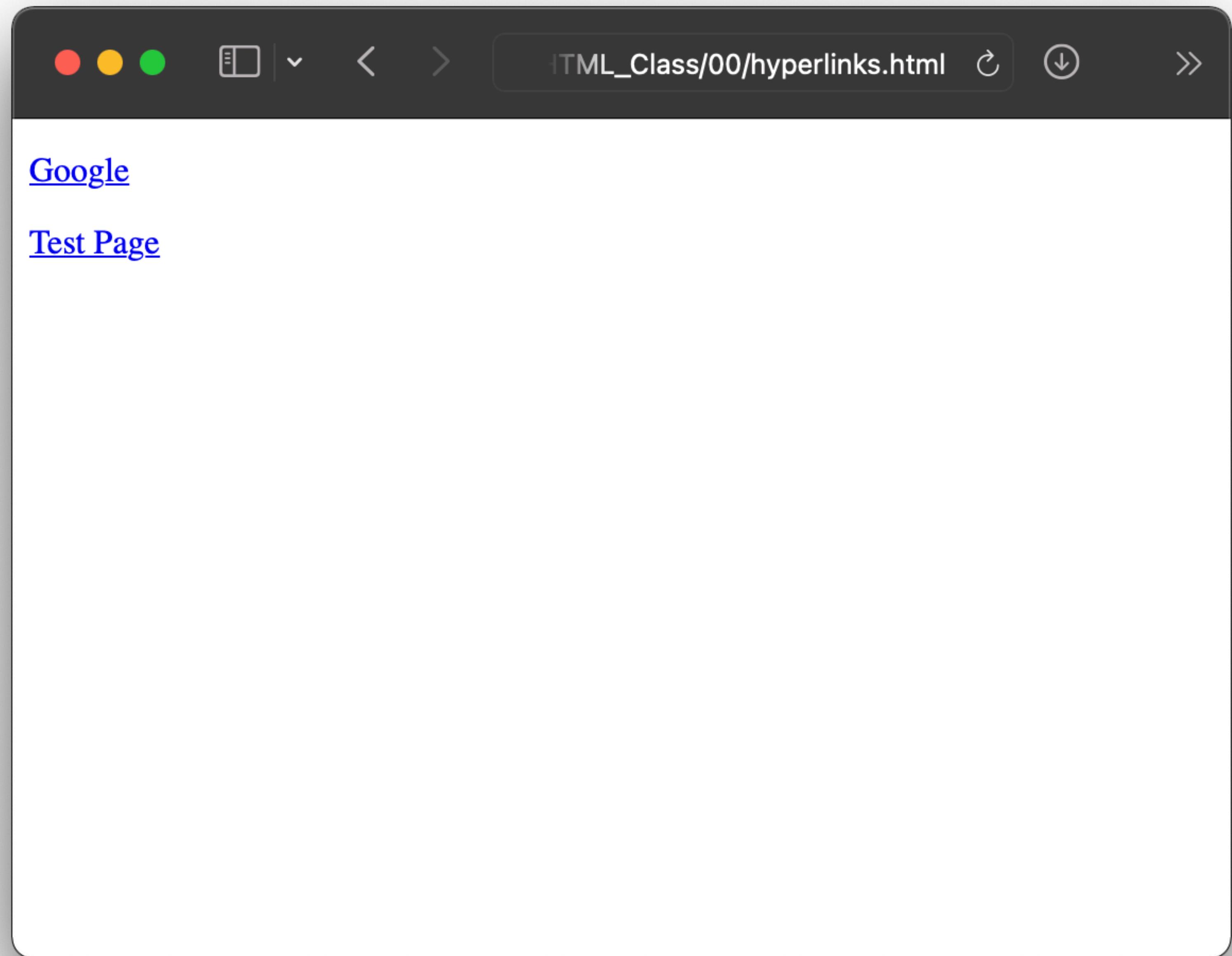
Absolute Path	/my-directory/my-file.png	Lookup from Root directory
Relative Path	my-directory/my-file.png ./my-directory/my-file.png	Lookup from Current directory
Address with Protocol	http://domain.tld/my-directory/my-file.png https://domain.tld/my-directory/my-file.png	Lookup from Address
Address with Flexible Protocol	//domain.tld/my-directory/my-file.png	Lookup from Address with current Protocol

Hyperlink Tag

Links webpages together.



```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Hello world!</title>
5   </head>
6   <body>
7     <p>
8       <a href="https://google.com">
9         Google
10      </a>
11    </p>
12    <p>
13      <a href="/test.html">
14        Test Page
15      </a>
16    </p>
17  </body>
18 </html>
```



Let's Build Something
The Project.



