

# Interactive 1

Instructor:

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TA:

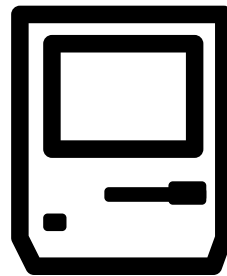
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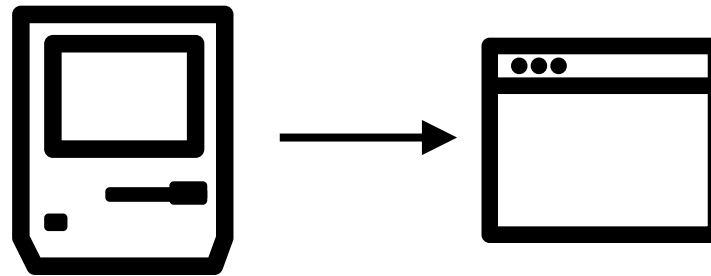
spring2018.designing.tools

HTML/WWW

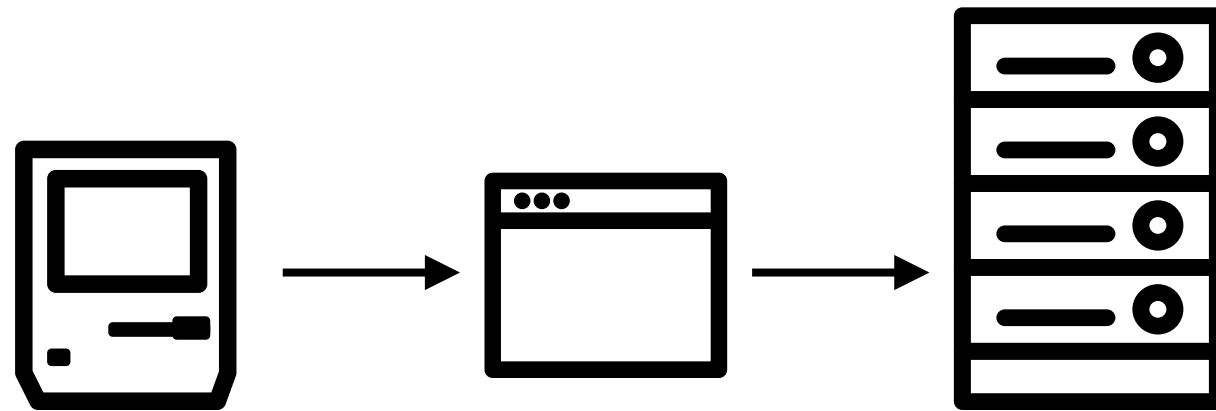
accessing webpages



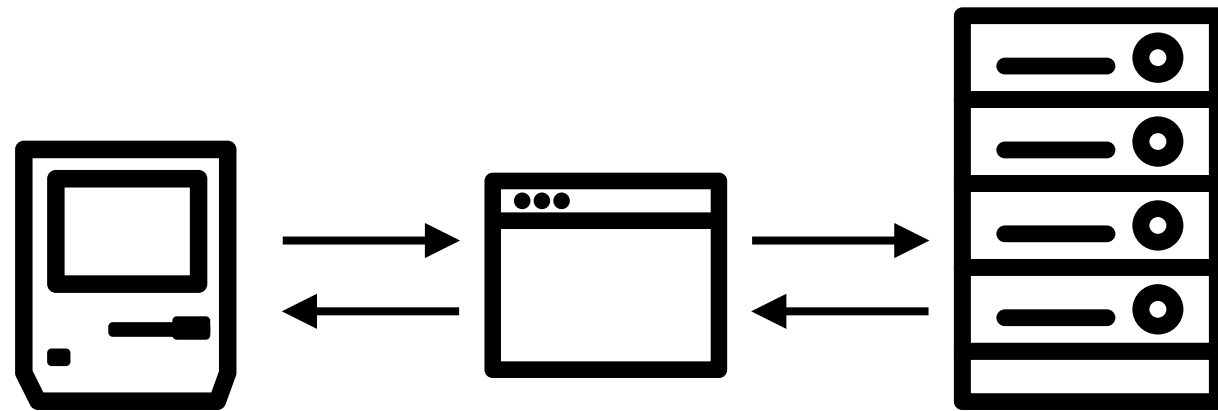
accessing webpages



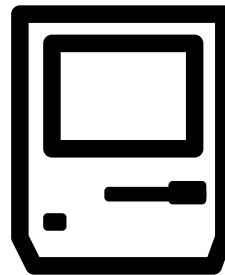
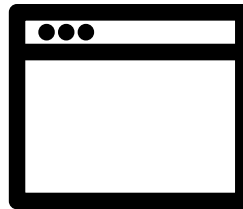
accessing webpages



accessing webpages

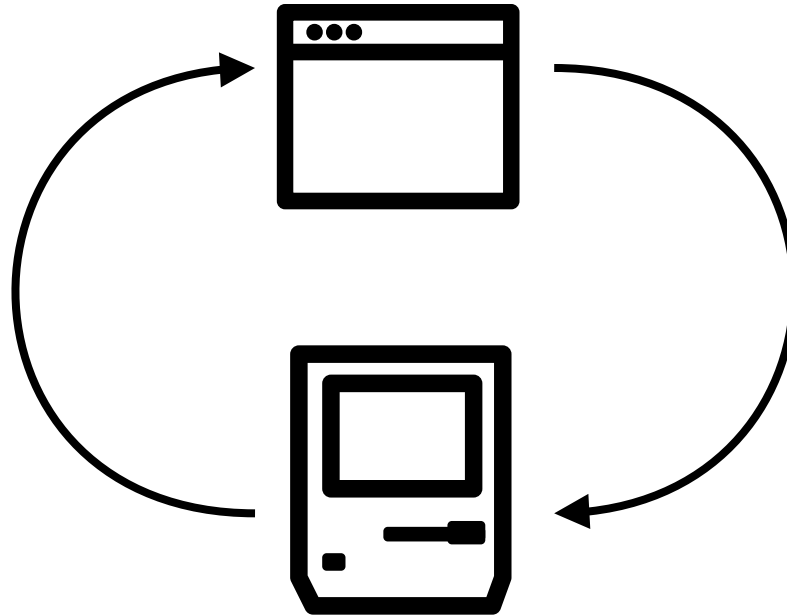


accessing webpages

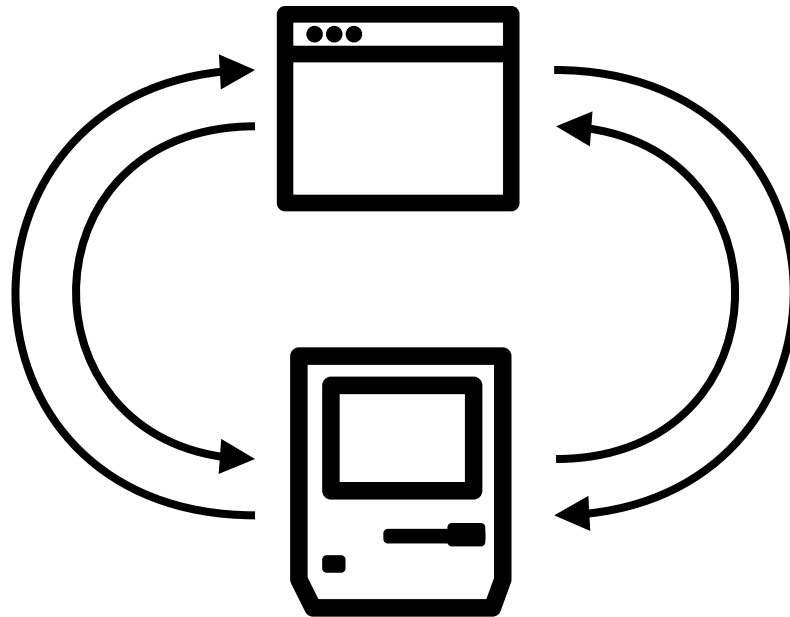




accessing webpages



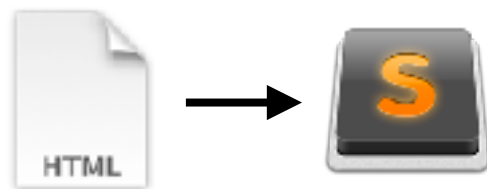
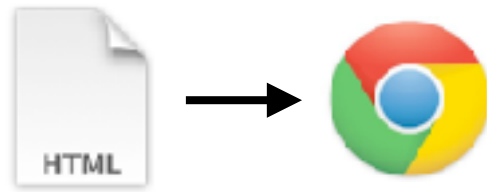
accessing webpages



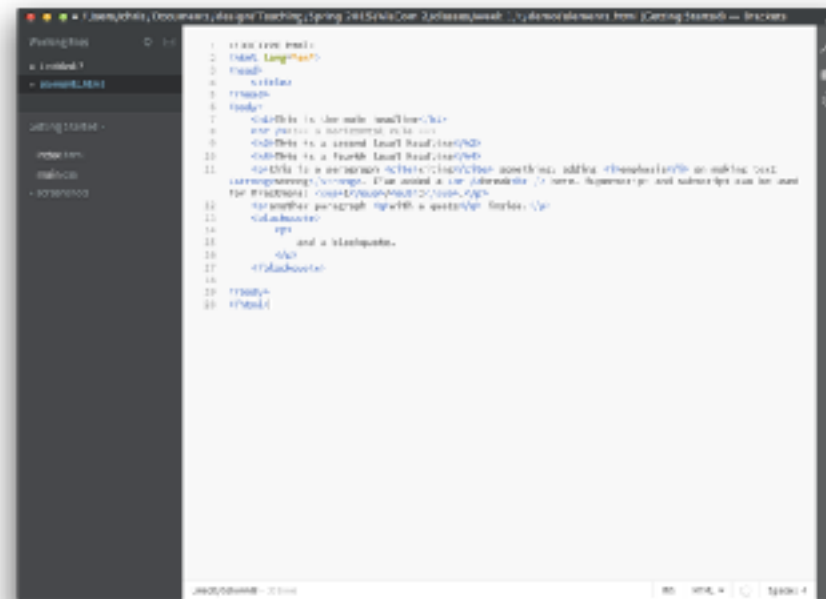
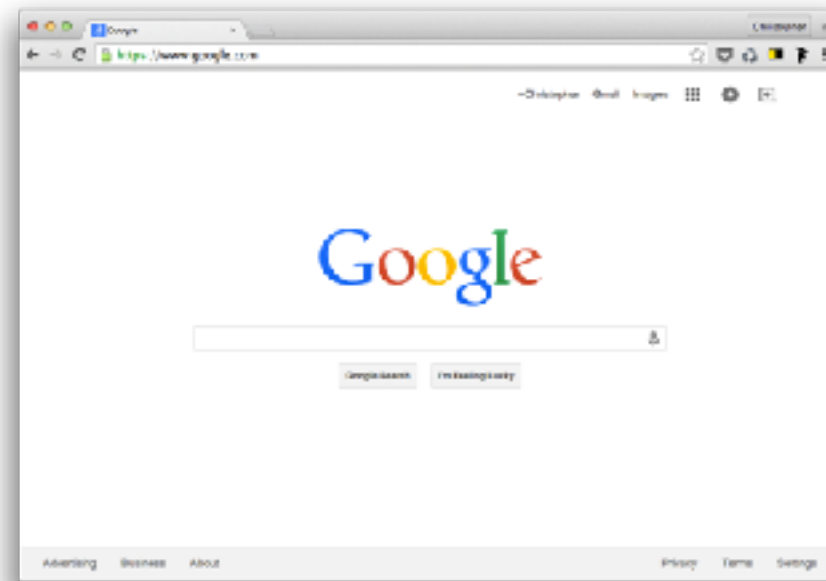
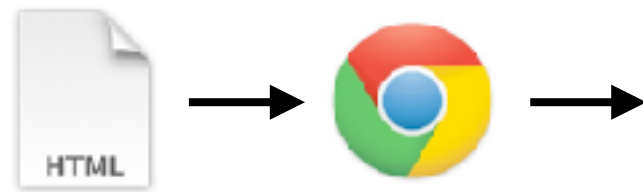
file format

• .html

file format



## file format



Code Editor



Sublime

Code Editor



Atom

file format

HTML = Hyper Text Markup Language

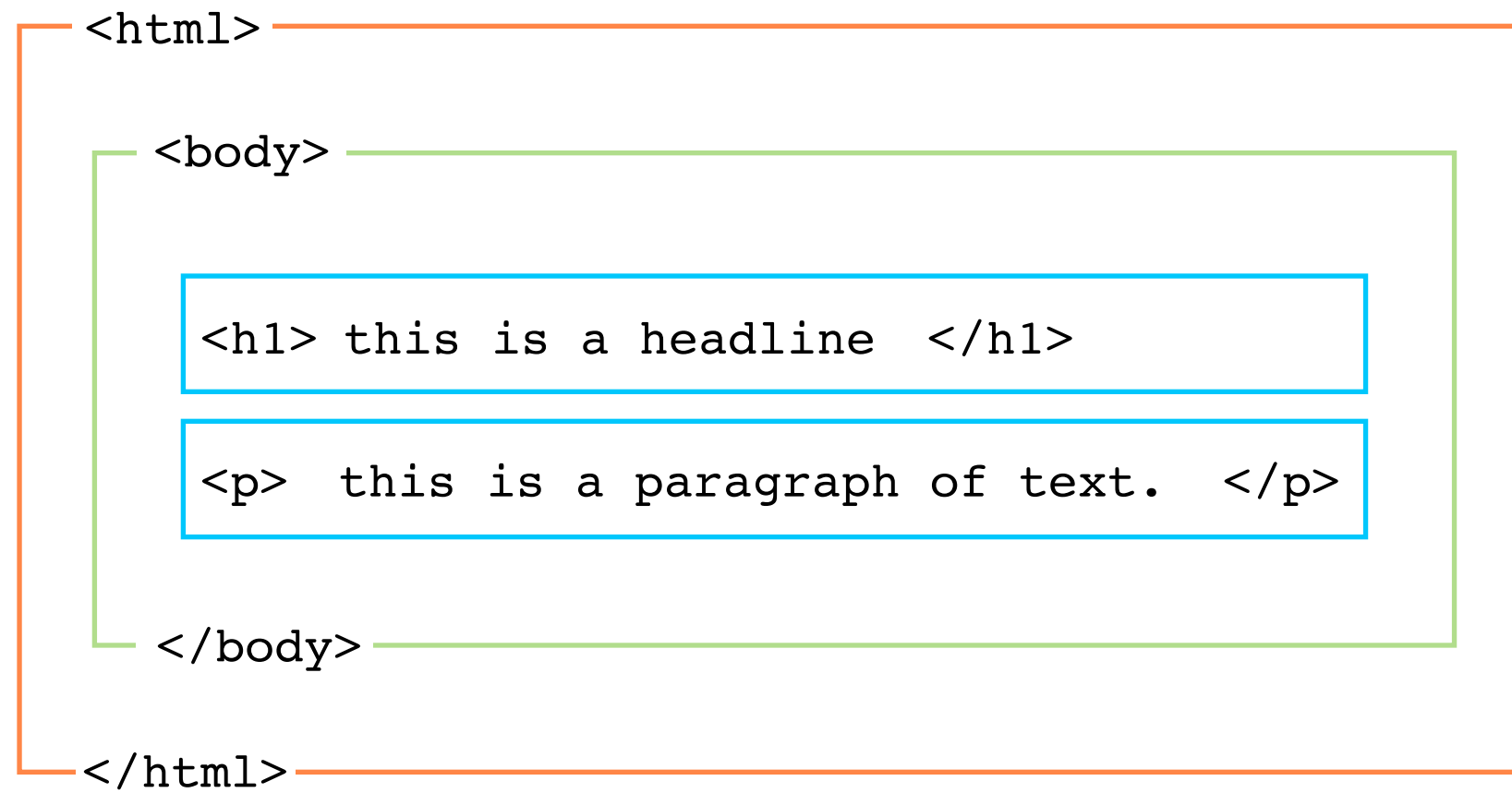


## Content

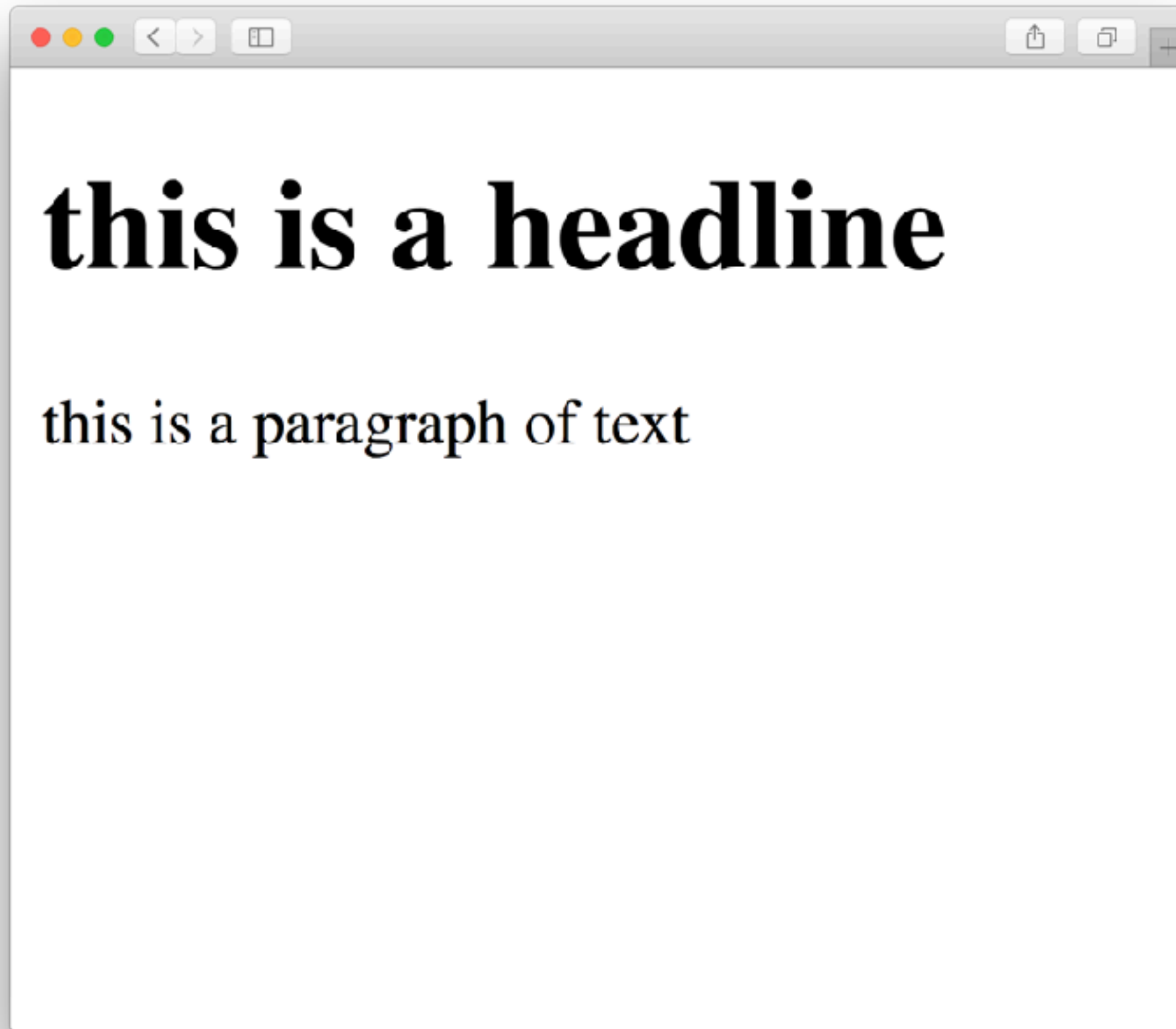
this is a headline

this is a paragraph of text.

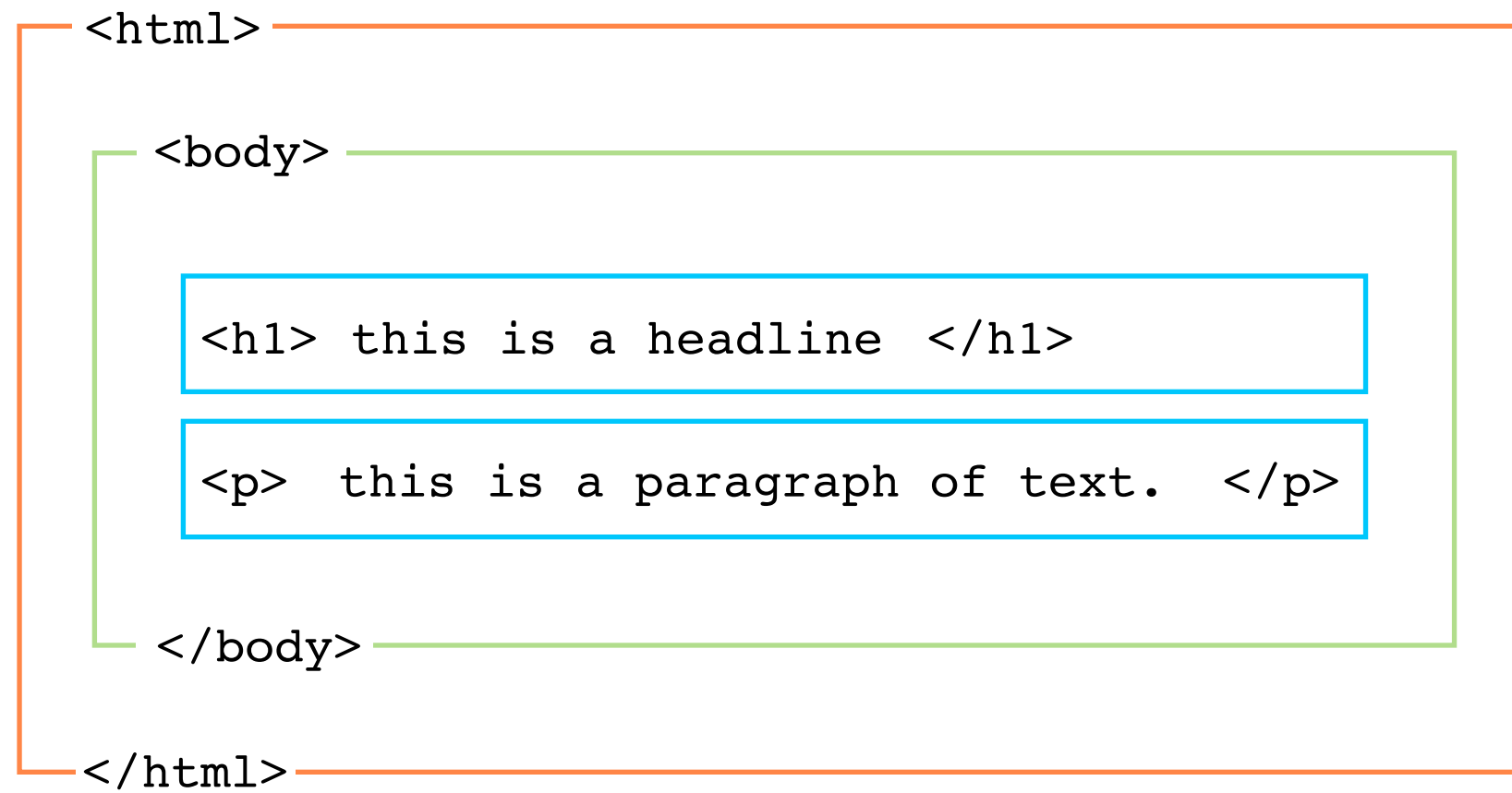
## structure



## Content + Markup in Browser



## structure



<p>

<p>

<p>

<p>



<p>

<p>

</p>

<p> </p>

<p>

</p>

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Example Page</title>
5 </head>
6 <body>
7   <h1>this is a headline</h1>
8   <p>this is a paragraph of text</p>
9 </body>
10 </html>
```

Line 9, Column 8; Saved ~/Desktop/index.html (UTF-8)    Tab Size: 4    HTML

## Structure

```
<! DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>  Example Page  </title>
```

```
</head>
```

```
<body>
```

```
<h1> this is a headline </h1>
```

```
<p>  this is a paragraph of text.  </p>
```

```
</body>
```

```
</html>
```

## Doctype

```
<! DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> Example Page </title>
```

```
</head>
```

```
<body>
```

```
<h1> this is a headline </h1>
```

```
<p> this is a paragraph of text. </p>
```

```
</body>
```

```
</html>
```

html root

```
<! DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> Example Page </title>
```

```
</head>
```

```
<body>
```

```
<h1> this is a headline </h1>
```

```
<p> this is a paragraph of text. </p>
```

```
</body>
```

```
</html>
```



## head and body

```
<! DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>  Example Page  </title>
```

```
  </head>
```

```
  <body>
```

```
    <h1> this is a headline </h1>
```

```
    <p>  this is a paragraph of text.  </p>
```

```
  </body>
```

```
</html>
```

## html meta info

```
<! DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>  Example Page  </title>
```

```
</head>
```

```
<body>
```

```
<h1> this is a headline </h1>
```

```
<p>  this is a paragraph of text.  </p>
```

```
</body>
```

```
</html>
```

## html content

```
<! DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>  Example Page  </title>
```

```
  </head>
```

```
  <body>
```

```
    <h1> this is a headline </h1>
```

```
    <p>  this is a paragraph of text.  </p>
```

```
  </body>
```

```
</html>
```

# Semantic and Presentational Markup

semantic markup

```
<h1>headline 1</h1>  
<h2>headline 2</h2>
```

## semantic markup

```
<h1>headline 1</h1>
```

```
<h2>headline 2</h2>
```

```
<p>paragraph</p>
```

## semantic markup

```
<h1>headline 1</h1>
```

```
<h2>headline 2</h2>
```

```
<p>paragraph</p>
```

```
<sup>superscript</sup>
```

```
<sub>subscript</sub>
```

```
<br />
```

```
<hr />
```

## semantic markup

<h1>headline 1</h1>

<h2>headline 2</h2>

<p>paragraph</p>

<sup>superscript</sup>

<sub>subscript</sub>

<br /> <br></br>

<hr /> <hr></hr>



presentational markup

`<em>emphasis</em>`

`<strong>strong</strong>`

## presentational markup

`<em>emphasis</em>`

`<strong>strong</strong>`

`<blockquote>block quote</blockquote>`

`<q>quote</q>`

## presentational markup

`<em>emphasis</em>`

`<strong>strong</strong>`

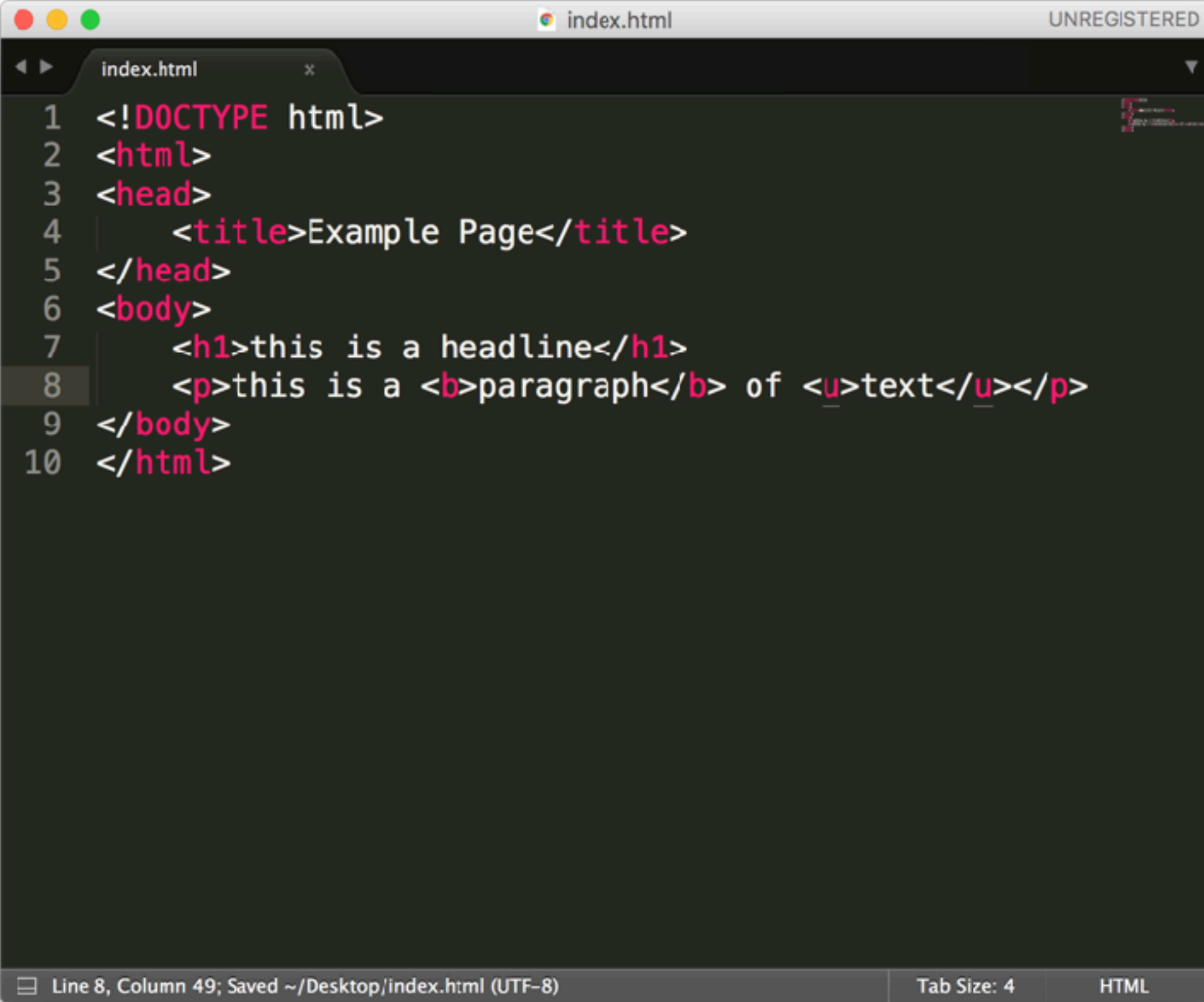
`<blockquote>block quote</blockquote>`

`<q>quote</q>`

`<ins>inserted text</ins>`

`<del>deleted text</del>`

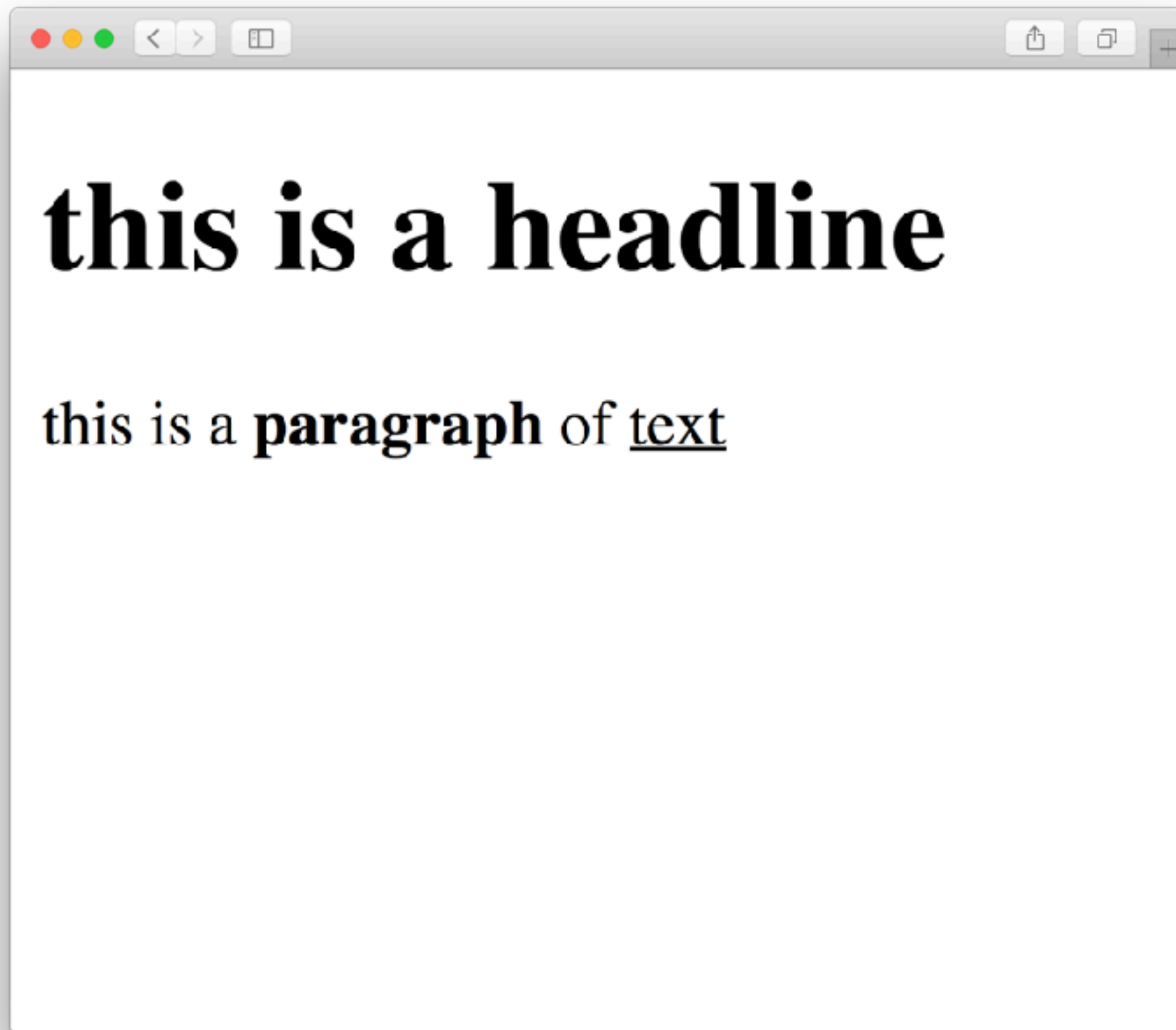
## HTML in editor



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Example Page</title>
5 </head>
6 <body>
7   <h1>this is a headline</h1>
8   <p>this is a <b>paragraph</b> of <u>text</u></p>
9 </body>
10 </html>
```

Line 8, Column 49; Saved ~/Desktop/index.html (UTF-8) Tab Size: 4 HTML

HTML in browser



<http://www.w3schools.com/tags/>

## Exercise 0

Set Up Git Sites