

# HTML & CSS Bootcamp

August 24, 2020 to August 28, 2020  
Teacher Reggie



**Day One**

# Day One Topics

- Class Introduction
- Class Prerequisites
- Introduction to HTML
- HTML Tags, Elements, and Attributes
- HTML Typography
- HTML Lists
- HTML Images
- HTML Links
- HTML Block & Inline Display Values
- HTML Div & Spans

# Class Introduction



Teacher: **Reggie**

Background: Banking Systems, ERP, Data Warehousing

Technologies: Python, JavaScript, Web technologies, and others.

Hobbies: Archery, cooking, hunting, and binge-watching Netflix shows

Kredo Email: [kredoteacher.reggie@gmail.com](mailto:kredoteacher.reggie@gmail.com)

# Class Introduction



## Student Introduction

- Name
- What are your hobbies and interests?
- Goal for taking this bootcamp

# Class Prerequisites

- Mac or windows computer
- VS Code
- Google Chrome
- Zoom
- Slack
- Github Account
- Internet Connection

# Introduction to HTML

## ➤ What is HTML?

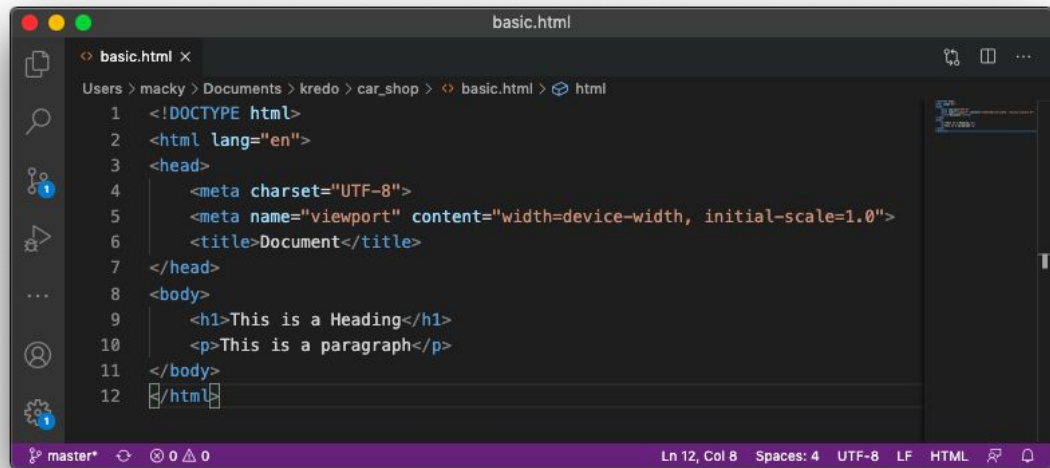
### **H**yper**T**ext **M**arkup **L**anguage

- Most basic building block of Web
- Defines the structure and meaning of web content
- Used other technologies such as CSS, JavaScript, and others
- Physicist Tim Berners-Lee proposed it in 1989 (31 years ago)



Tim Berners-Lee, March 2020

# Introduction to HTML

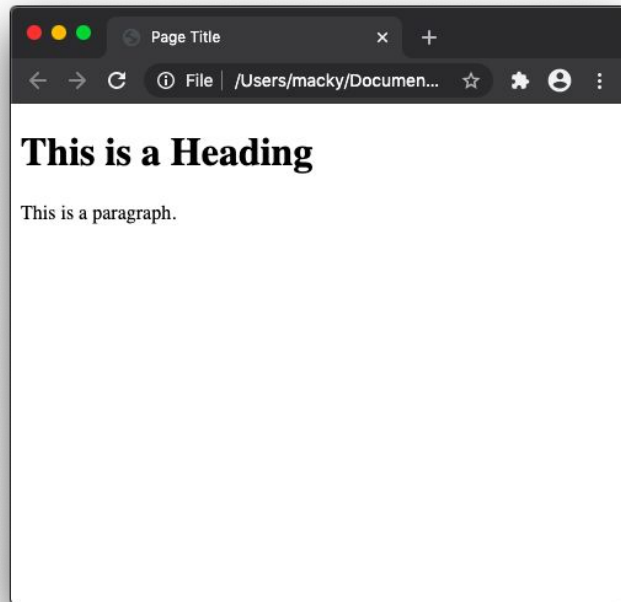


The screenshot shows the VS Code Editor interface with a file named 'basic.html' open. The file path is 'Users > macky > Documents > kredo > car\_shop > basic.html'. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <h1>This is a Heading</h1>
10  <p>This is a paragraph</p>
11 </body>
12 </html>
```

The status bar at the bottom indicates 'master', 'Ln 12, Col 8', 'Spaces: 4', 'UTF-8', 'LF', and 'HTML'.

VS Code Editor



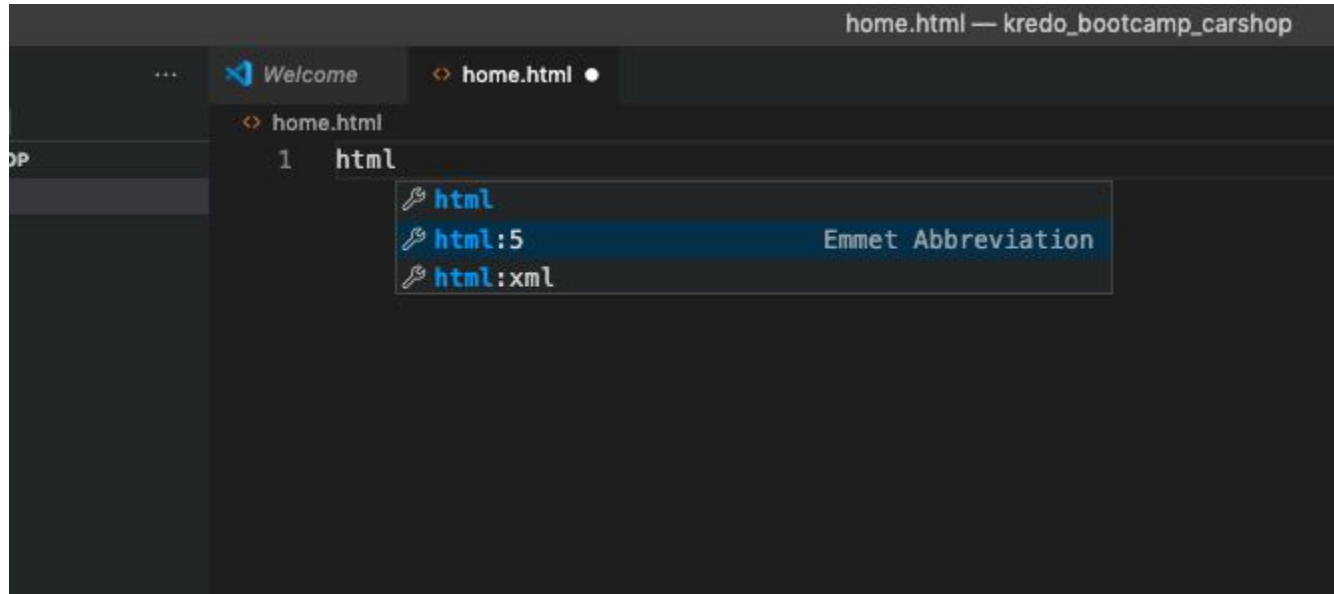
Google Chrome



# Introduction to HTML

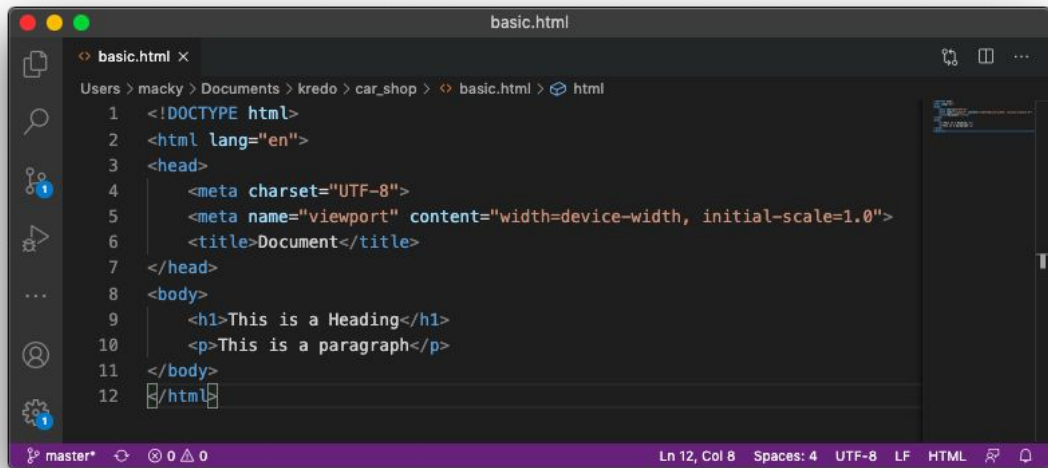
- Create Bootcamp project folder
  - Documents > kredo\_bootcamp\_carshop
- 1. Open VSCode
- 2. Click “Open Folder”
- 3. Click “New Folder”
- 4. Enter the name: kredo\_bootcamp\_carshop, click Create
- 5. Click Open
- 6. Create new file, CMD + n or CTRL + n
- 7. Save the file with filename home.html

# Introduction to HTML



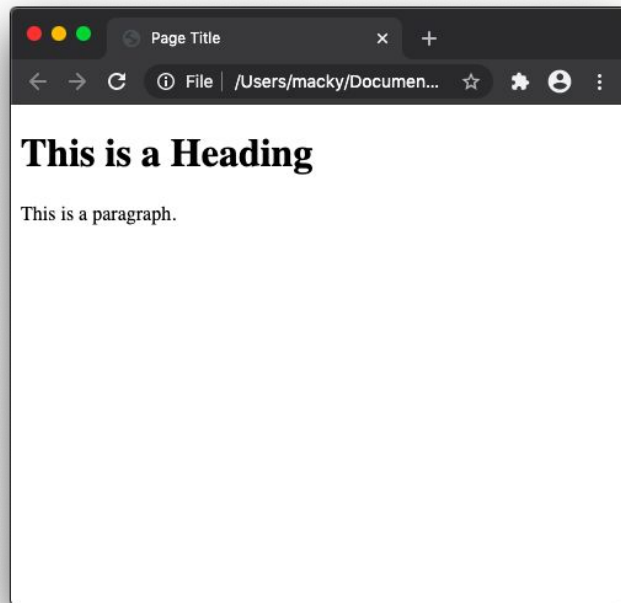
# Introduction to HTML

## ➤ HTML Structure



```
basic.html
Users > macky > Documents > kredo > car_shop > basic.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <h1>This is a Heading</h1>
10  <p>This is a paragraph</p>
11 </body>
12 </html>
```

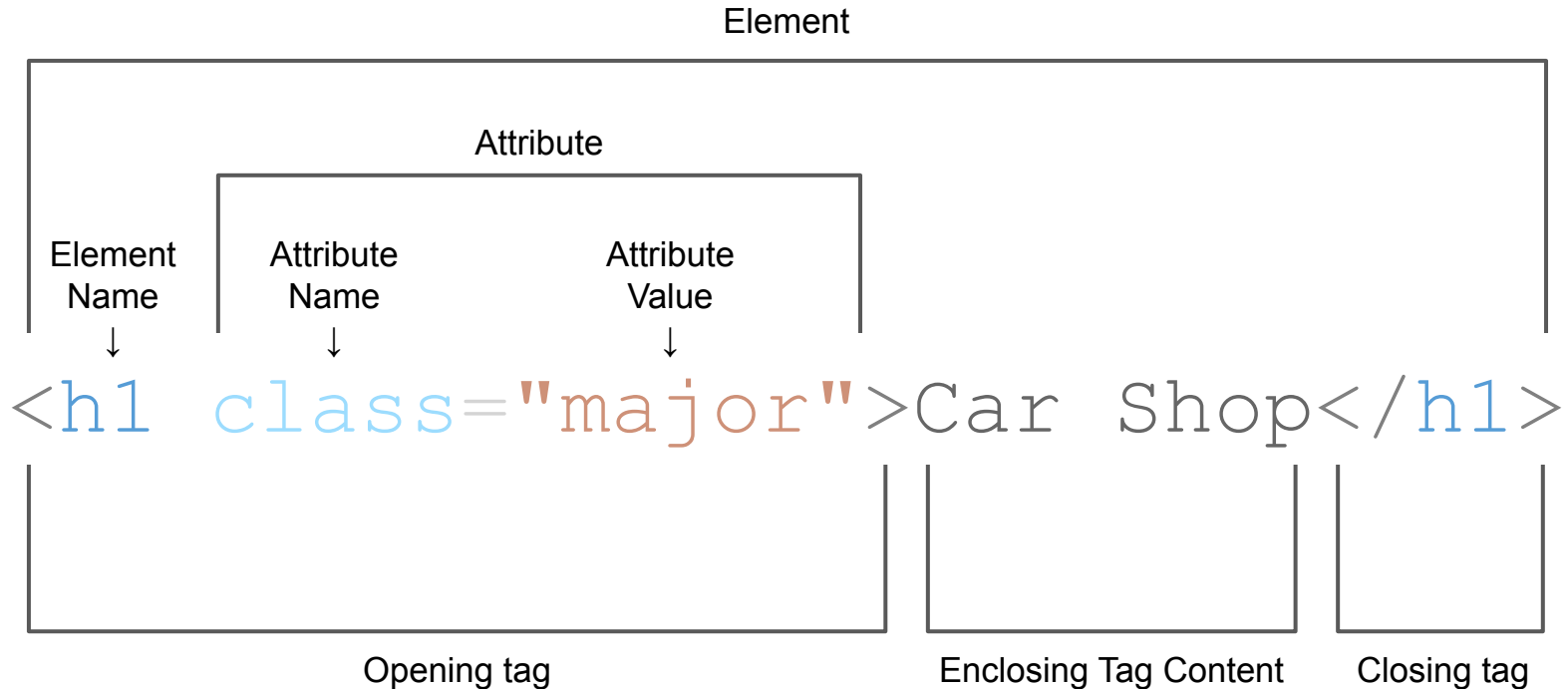
VS Code Editor



Google Chrome

# HTML Tags, Elements, and Attributes

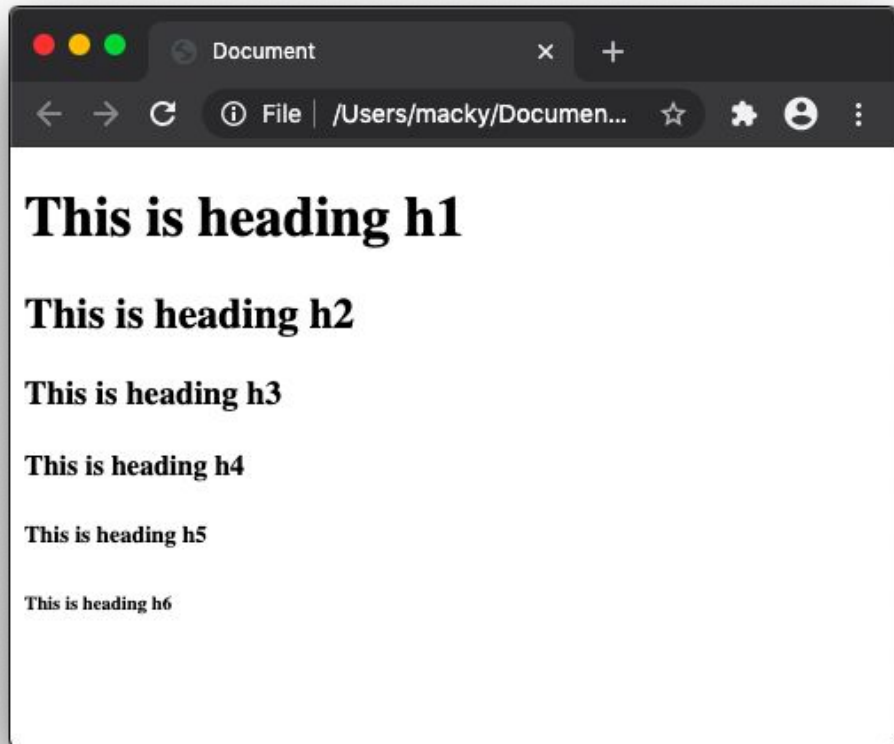
## ➤ Parts of an HTML element, HTML Tag



# HTML Typography

- Headings - title or subtitle for content

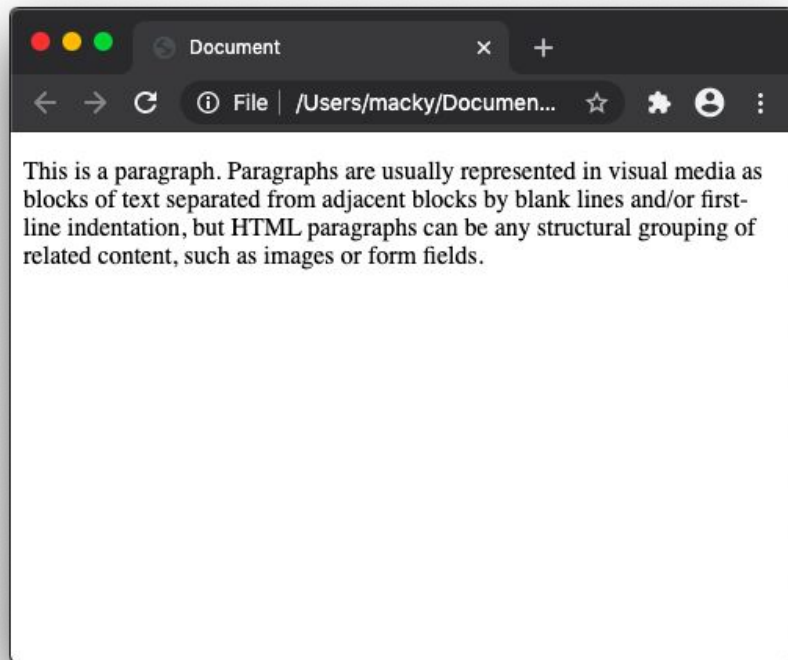
```
< home.html > html > body > h6
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-v
6    <title>Document</title>
7  </head>
8  <body>
9    <h1>This is heading h1</h1>
10   <h2>This is heading h2</h2>
11   <h3>This is heading h3</h3>
12   <h4>This is heading h4</h4>
13   <h5>This is heading h5</h5>
14   <h6>This is heading h6</h6>
15 </body>
16 </html>
```



# HTML Typography

## ➤ Paragraph

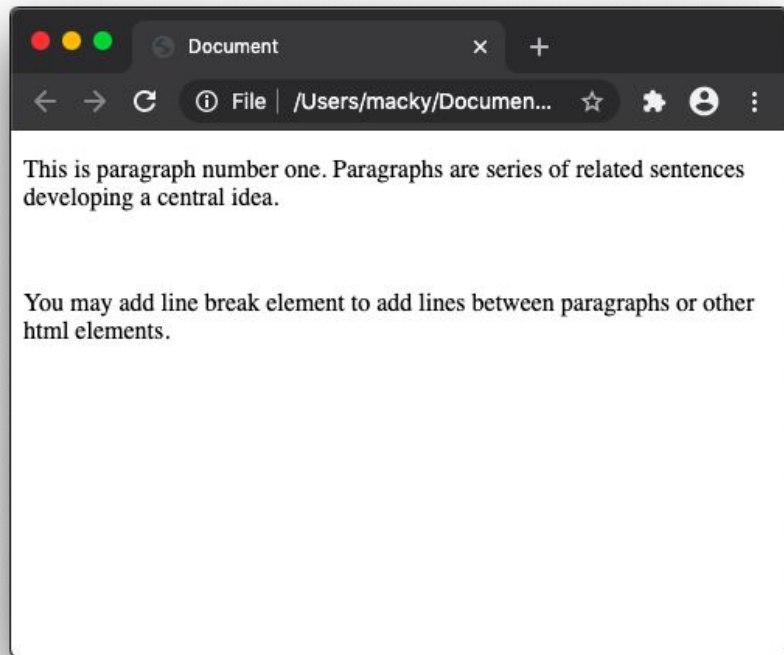
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <p>This is a paragraph. Paragraphs are usually
10     represented in visual media as blocks of
11     text separated from adjacent blocks by
12     blank lines and/or first-line indentation,
13     but HTML paragraphs can be any structural
14     grouping of related content, such as images
15     or form fields.
16 </p>
17 </body>
18 </html>
```



# HTML Typography

## ➤ Line break

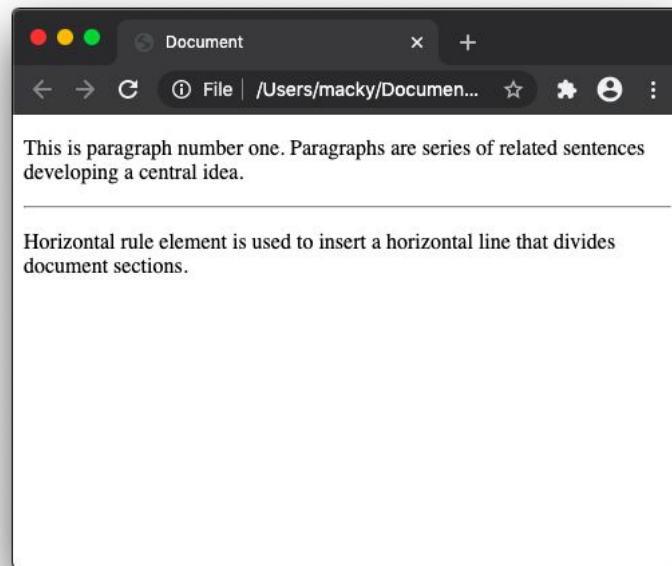
```
home.html > html > body > p
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <p>This is paragraph number one. Paragraphs are series of
10    related sentences developing a central idea.</p>
11   <br>
12   <p>You may add line break element to add lines between paragraphs or
13    other html elements.
14 </p>
15
16 </body>
17 </html>
```



# HTML Typography

## ➤ Horizontal Rule

```
home.html > html > body > p
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Document</title>
7  </head>
8  <body>
9    <p>This is paragraph number one. Paragraphs are series of
10     related sentences developing a central idea.</p>
11    <hr>
12    <p>Horizontal rule element is used to insert a horizontal line that
13     divides document sections.
14  </p>
15
16 </body>
17 </html>
```





# HTML Lists

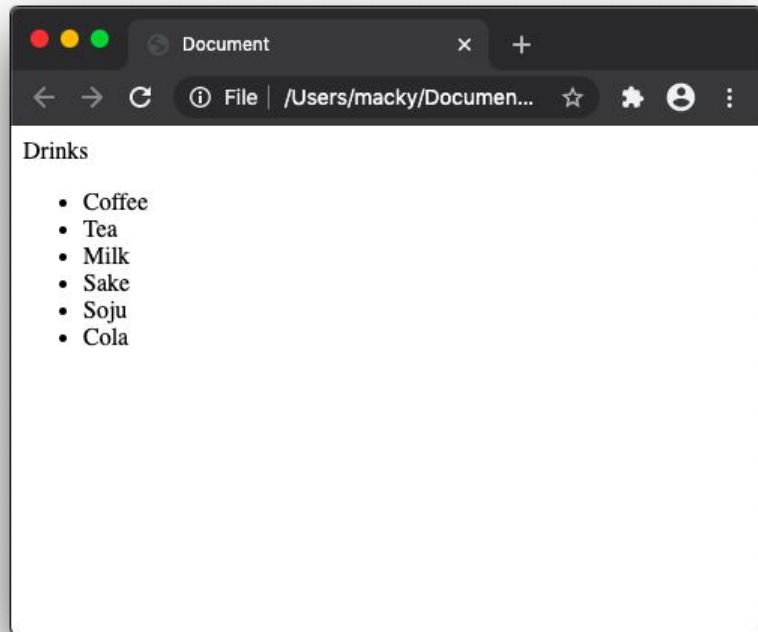
- What are HTML lists?
  - number of related items displayed consecutively, typically one below the other
- Unordered Lists
- Ordered Lists
- Nested Lists



# HTML Lists

## ➤ Unordered List

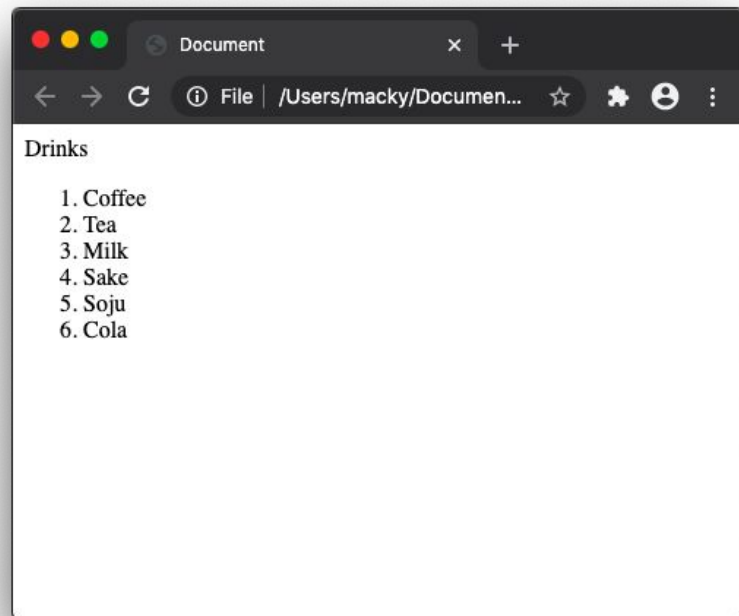
```
<> home.html > html > body > ul > li
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9      Drinks
10     <ul>
11         <li>Coffee</li>
12         <li>Tea</li>
13         <li>Milk</li>
14         <li>Sake</li>
15         <li>Soju</li>
16         <li>Cola</li>
17     </ul>
18 </body>
19 </html>
```



# HTML Lists

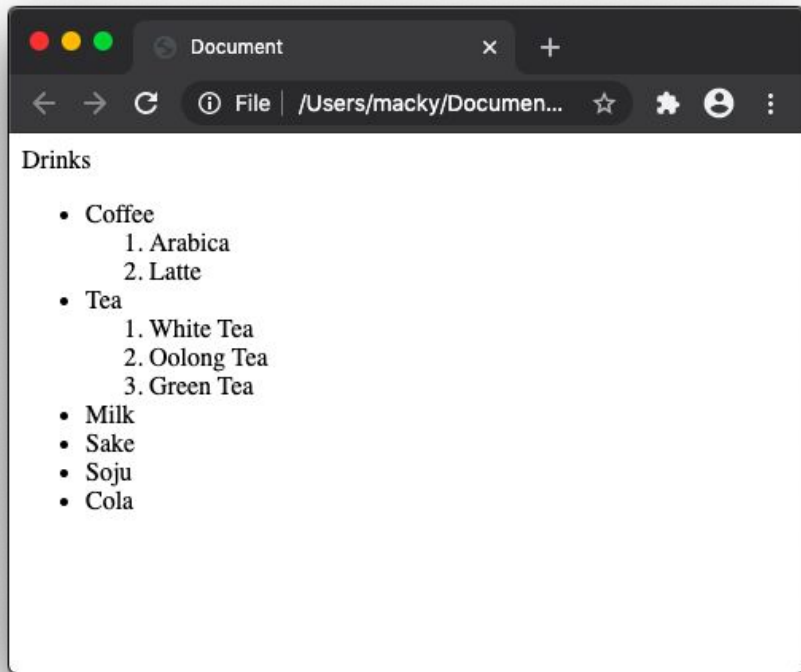
## ➤ Ordered List

```
home.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  |   <title>Document</title>
7  </head>
8  <body>
9  |   Drinks
10 |   <ol>
11 |   |   <li>Coffee</li>
12 |   |   <li>Tea</li>
13 |   |   <li>Milk</li>
14 |   |   <li>Sake</li>
15 |   |   <li>Soju</li>
16 |   |   <li>Cola</li>
17 |   </ol>
18 </body>
19 </html>
```



# HTML Lists

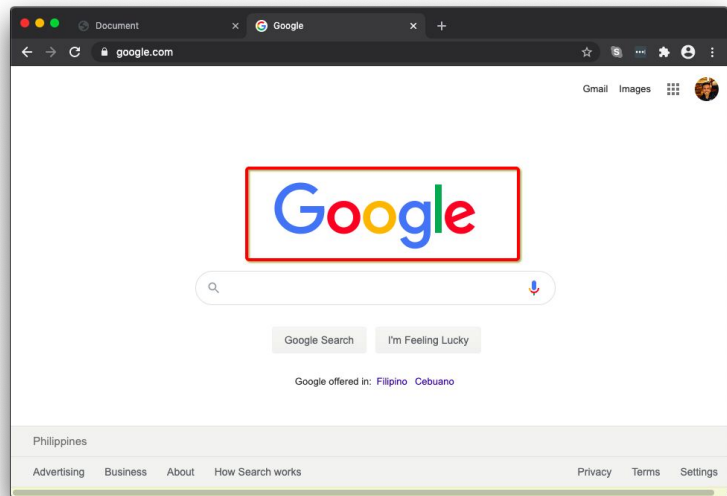
## ➤ Nested List



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   Drinks
10   <ul>
11     <li>Coffee</li>
12     <ol>
13       <li>Arabica</li>
14       <li>Latte</li>
15     </ol>
16     <li>Tea</li>
17     <ol>
18       <li>White Tea</li>
19       <li>Oolong Tea</li>
20       <li>Green Tea</li>
21     </ol>
22     <li>Milk</li>
23     <li>Sake</li>
24     <li>Soju</li>
25     <li>Cola</li>
26   </ul>
27 </body>
28 </html>
```

# HTML Images

## ➤ HTML images





# HTML Links

## ➤ What are links?

Allows users to click their way from one webpage to another.



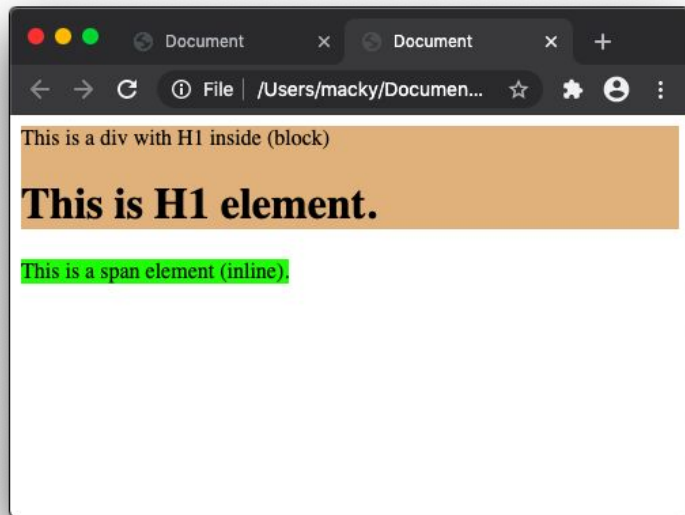
```
<a href="products.html">Products</a>
```



# HTML Block & Inline Values

- Block element - always starts on a new line and takes up full width available
- Inline element - does not start on a new line and it only takes up as much width as necessary

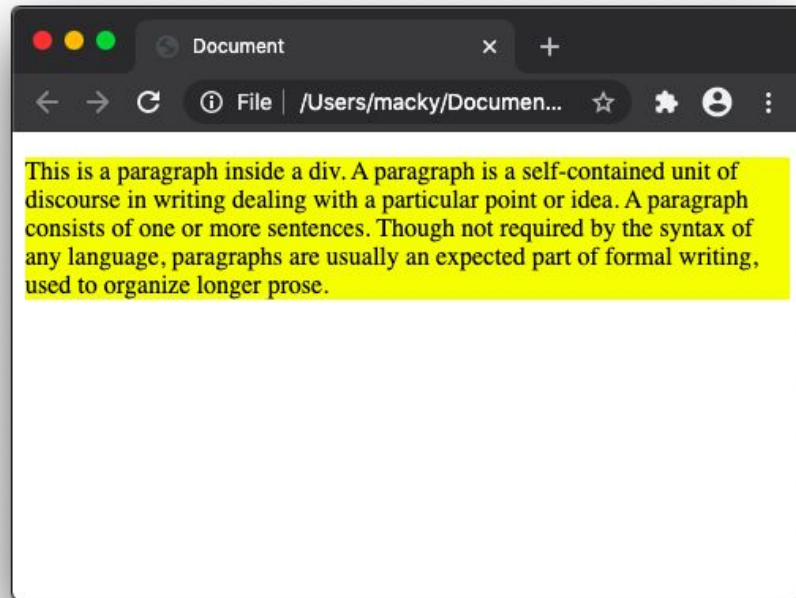
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <div style="background-color: #burlywood">
10     This is a div with H1 inside (block)
11     <h1>This is H1 element.</h1>
12   </div>
13   <span style="background-color: #chartreuse;">
14     This is a span element (inline)
15   </span>
16 </body>
17 </html>
```



# HTML Div & Spans

## ➤ HTML Div

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <div style="background-color: yellow;">
10     <p>
11       This is a paragraph inside a div. A paragraph is a
12       self-contained unit of discourse in writing dealing
13       with a particular point or idea. A paragraph consists
14       of one or more sentences. Though not required by
15       the syntax of any language, paragraphs are usually
16       an expected part of formal writing, used to organize
17       longer prose.
18     </p>
19   </div>
20 </body>
21 </html>
```

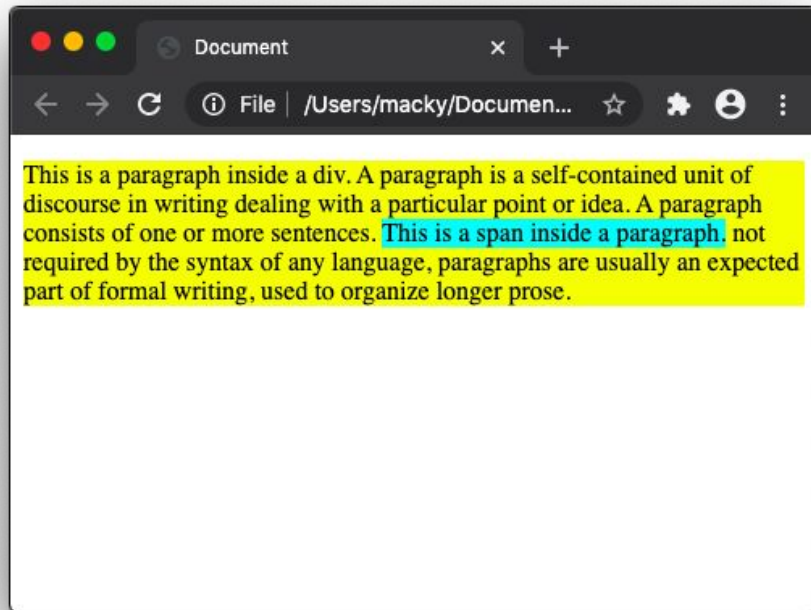




# HTML Div & Spans

## ➤ HTML Span

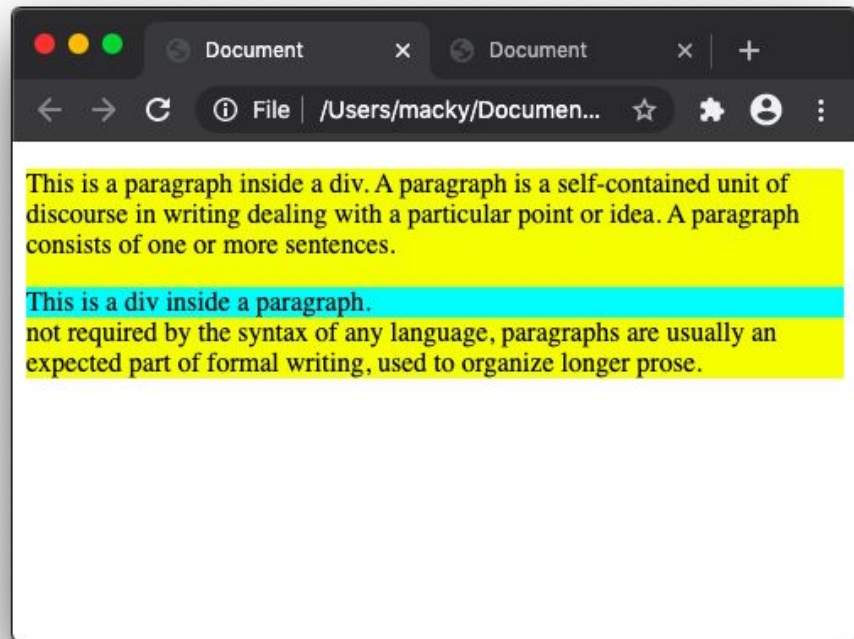
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <div style="background-color: yellow;">
10    <p>
11      This is a paragraph inside a div. A paragraph is a
12      self-contained unit of discourse in writing dealing
13      with a particular point or idea. A paragraph consists
14      of one or more sentences.
15      <span style="background-color: aqua;">This is a span inside
16      a paragraph.</span> not required by the syntax of any
17      language, paragraphs are usually an expected part of
18      formal writing, used to organize longer prose.
19    </p>
20  </div>
21 </body>
22 </html>
```



# HTML Div & Spans

## ➤ HTML Span

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <div style="background-color: yellow;">
10     <p>
11       This is a paragraph inside a div. A paragraph is a
12       self-contained unit of discourse in writing dealing
13       with a particular point or idea. A paragraph consists
14       of one or more sentences.
15       <div style="background-color: aqua;">This is a div inside
16       a paragraph.</div> not required by the syntax of any
17       language, paragraphs are usually an expected part of
18       formal writing, used to organize longer prose.
19     </p>
20   </div>
21 </body>
22 </html>
```



# Topics for tomorrow

- HTML Forms
- HTML Tables
- Introduction to CSS