HTML & CSS Bootcamp

Apr 19, 2021 to Apr 23, 2021
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 Div & Spans

Class Introduction

Teacher**: Reggie**

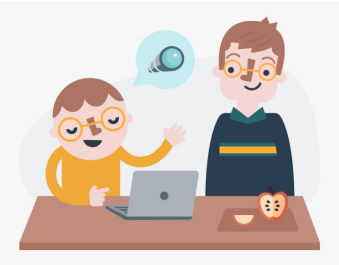
Background: Banking Systems, ERP, Data Warehousing

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

Hobbies: binge-watching shows, cooking, cycling

Kredo Email: kredoteacher.reggie@gmail.com

Class Introduction



Student Introduction

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

Class Prerequisites

- Internet Connection
- Mac or windows computer
- Zoom
- Visual Studio Code (VS Code)
- Google Chrome (Browser)
- Slack
- Github Account

Introduction to HTML

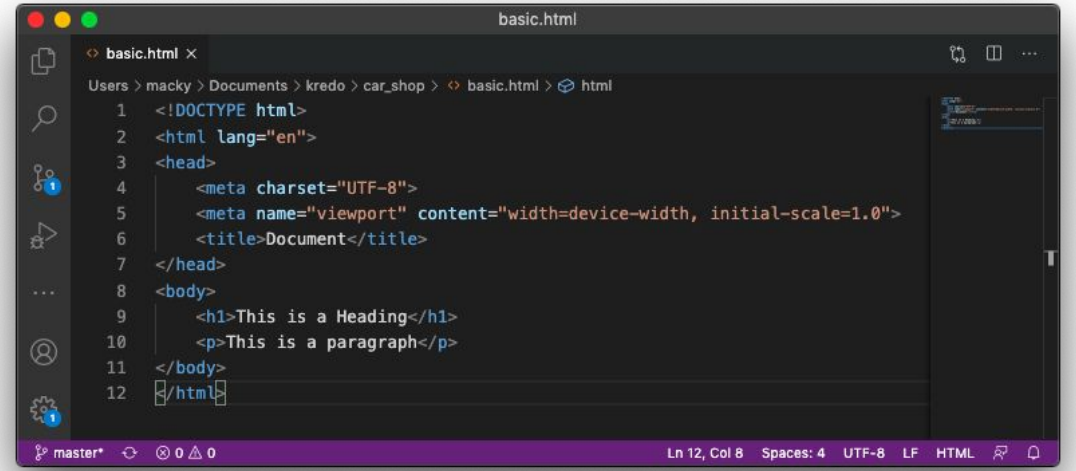
- What is HTML?

  Hyper**T**ext **M**arkup **L**anguage

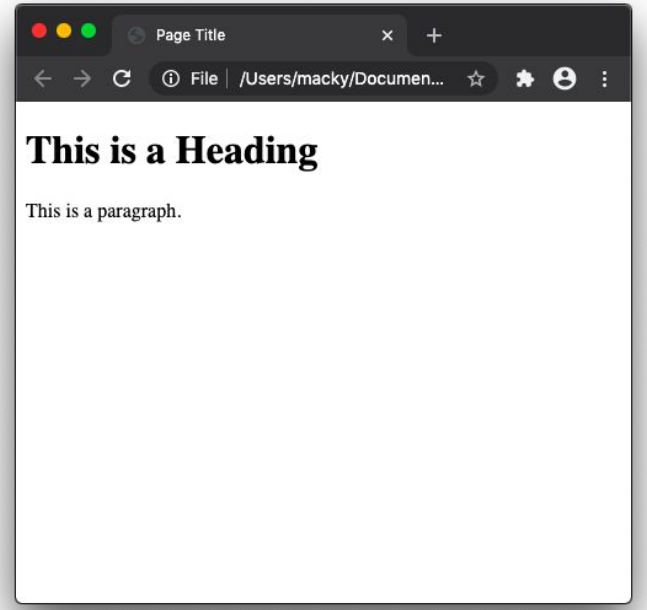
  - Most basic building block of Web
  - Defines the structure and meaning of web content
  - Used with other technologies such as CSS, JavaScript, and others
  - Physicist Tim Berners-Lee proposed it in 1989 (32 years ago)

Tim Berners-Lee, March 2020

Introduction to HTML



VS Code Editor



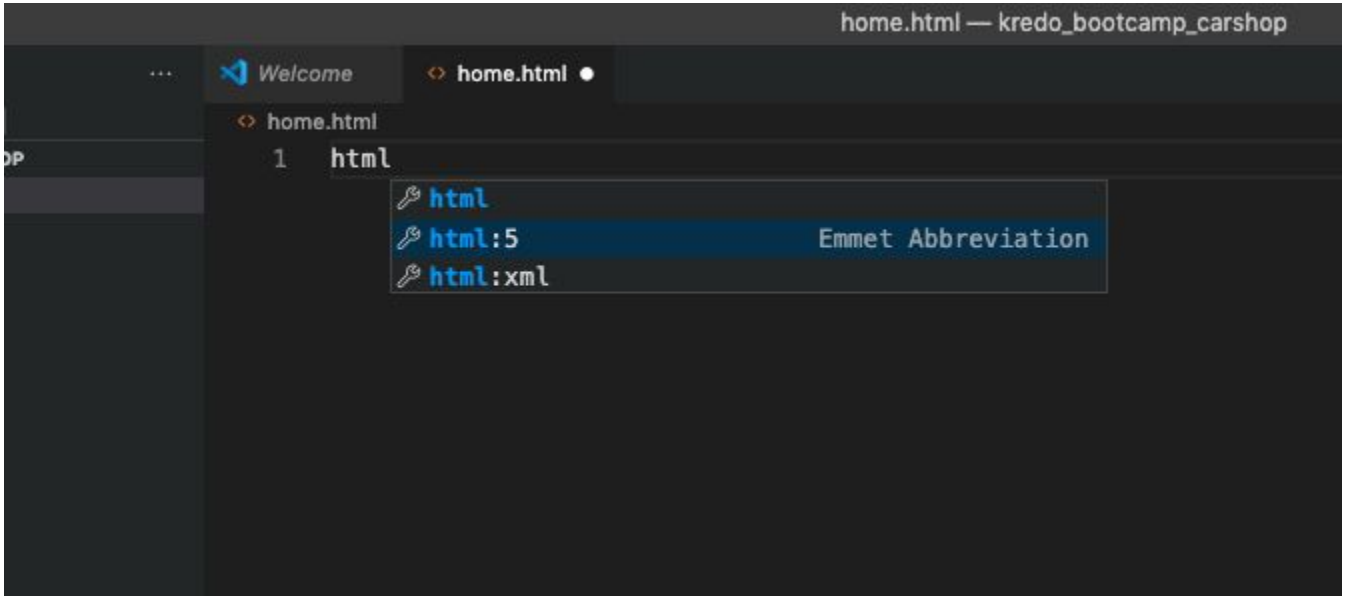
Google Chrome

Introduction to HTML

- Create Bootcamp project folder
    - Documents > kredo_bootcamp_carshop

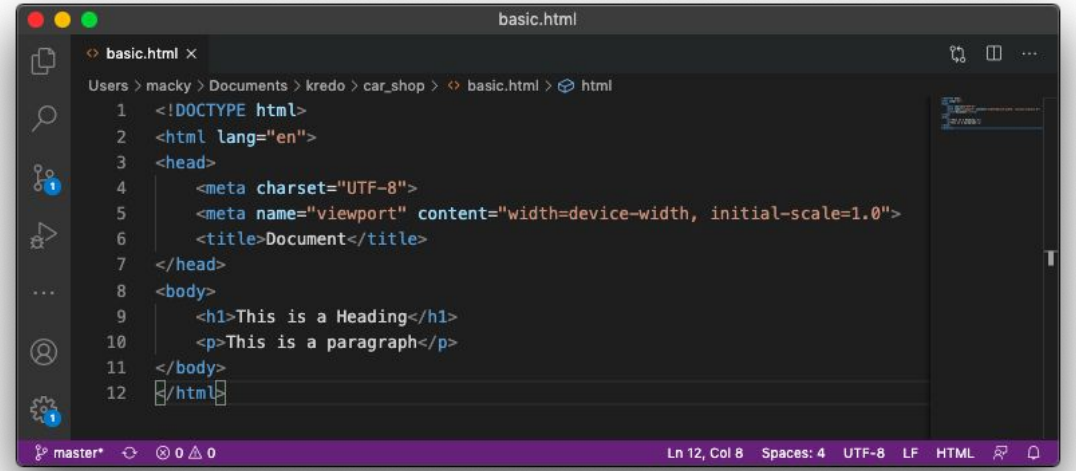
1. Open VSCode
2. Click “Open Folder”
3. Click “New Folder”
4. Enter the name: kredo_bootcamp_carshop, click Create
5. Click Open
6. Create new file, CMD + n (Mac) or CTRL + n (Windows)
7. Save the file with filename index.html

Introduction to HTML

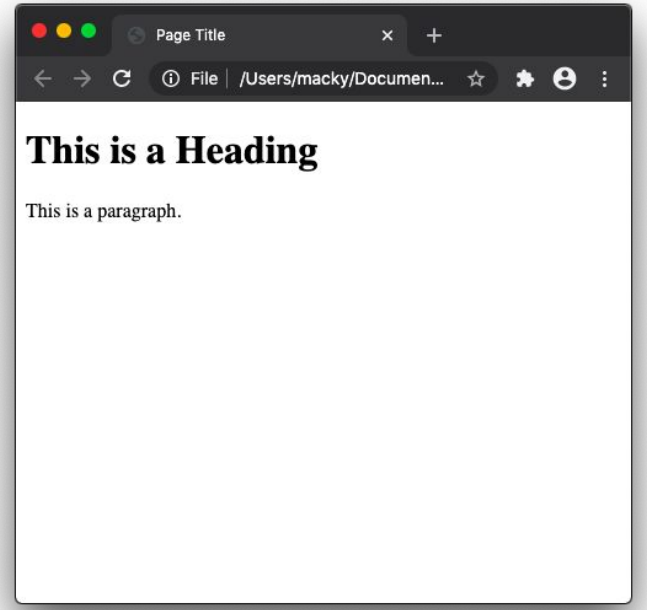


Introduction to HTML

- HTML Structure



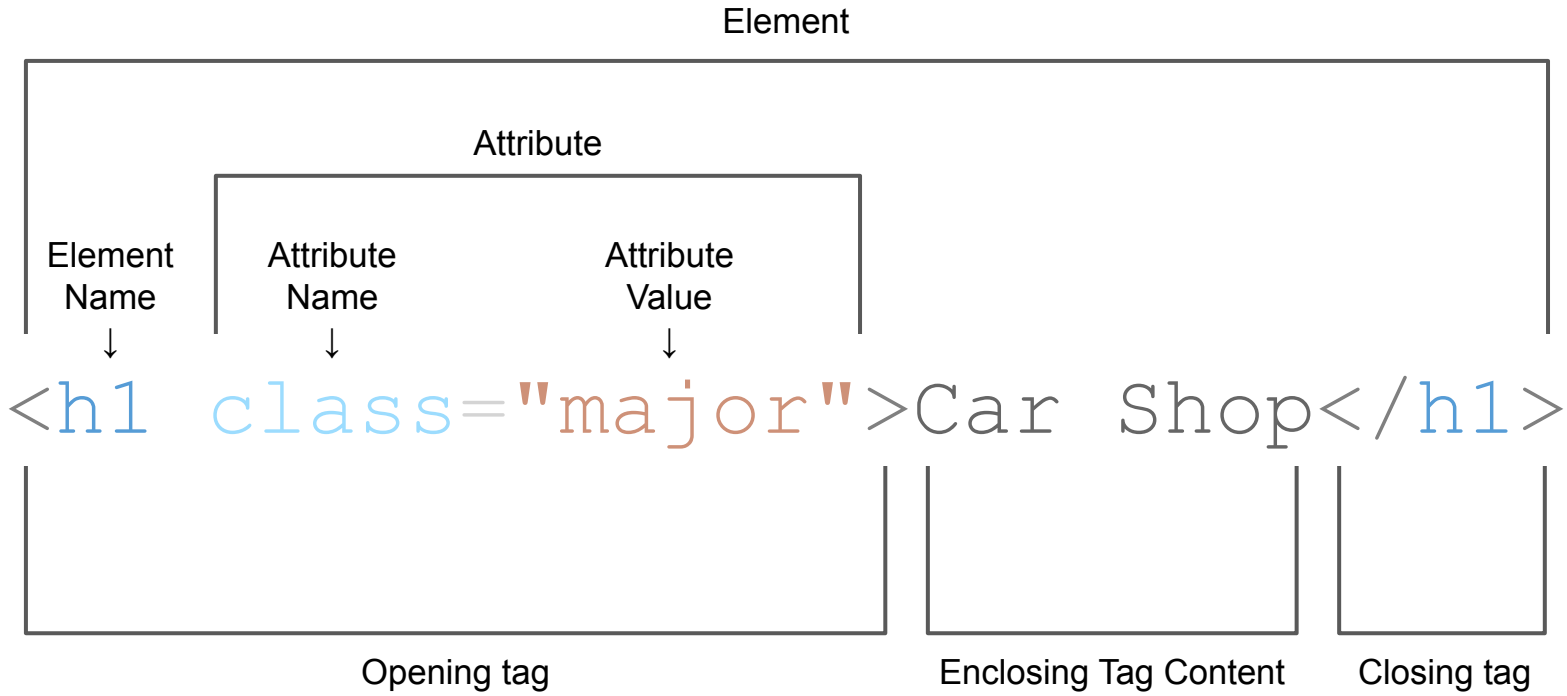
VS Code Editor



Google Chrome

HTML Tags, Elements, and Attributes

- Parts of an HTML element, HTML Tag



HTML Comments

The comment tag is used to insert comments in the source code. Comments are not displayed in the browsers. You can use comments to explain your code, which can help you when you edit the source code at a later date.

<!-- I am an HTML comment -->

For mac:

CMD + /

For windows:

CTRL + /

VS Code Formatting

Corrects the alignment and spacing of your elements.

For mac:

SHIFT + OPTION + F

For windows:

SHIFT + ALT + F

Character Entities

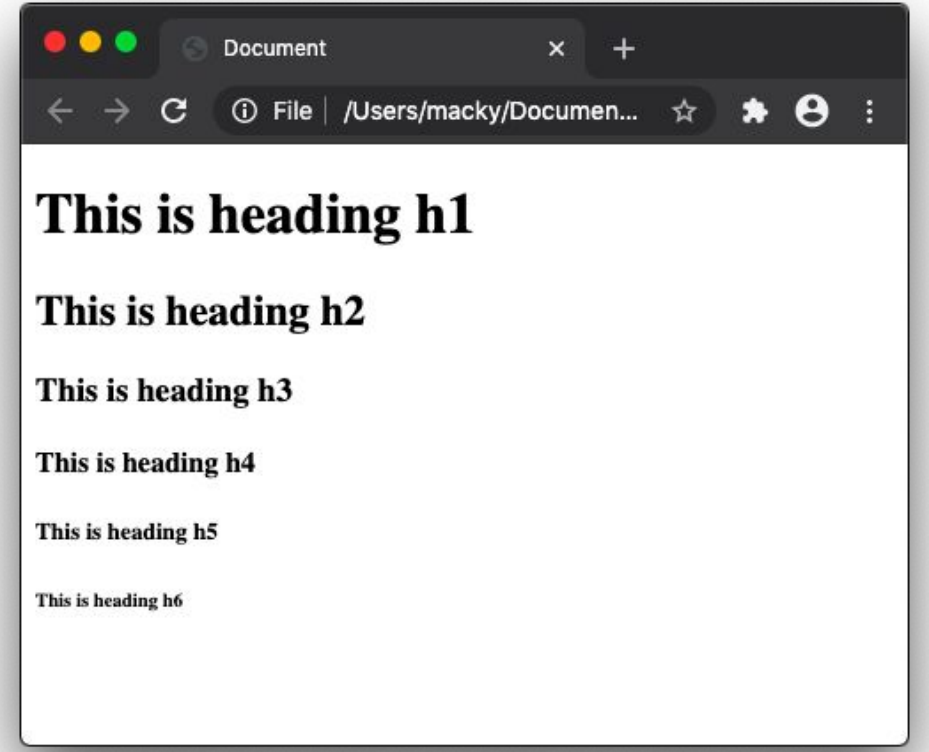
Some characters are reserved in HTML (like <, >, & and others). Character entities are used to display these characters.

https://www.w3schools.com/html/html_entities.asp

HTML Typography

- Headings - title or subtitle for content

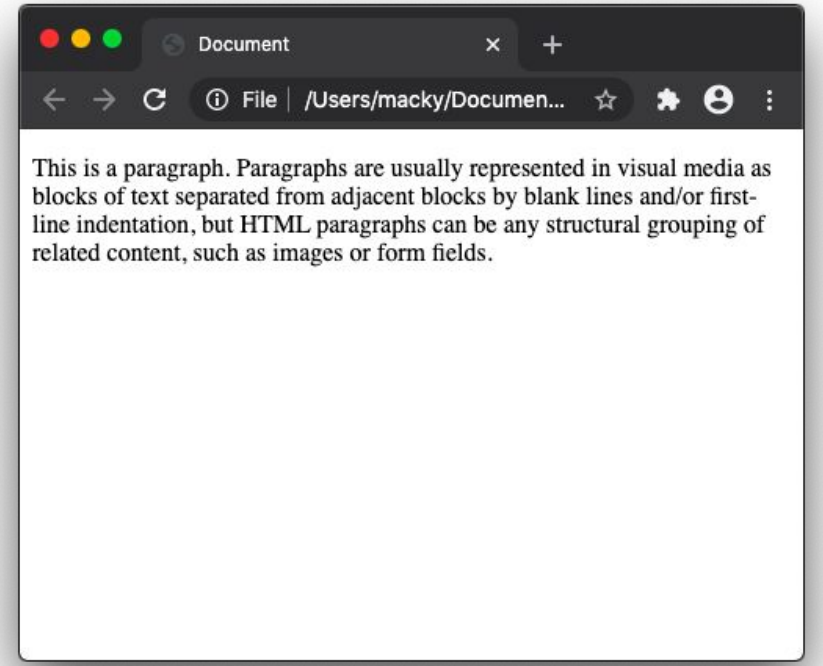
```
home.html > html > body > h6
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-
6      <title>Document</title>
7  </head>
8  <body>
9      <h1>This is heading h1</h1>
10     <h2>This is heading h2</h2>
11     <h3>This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

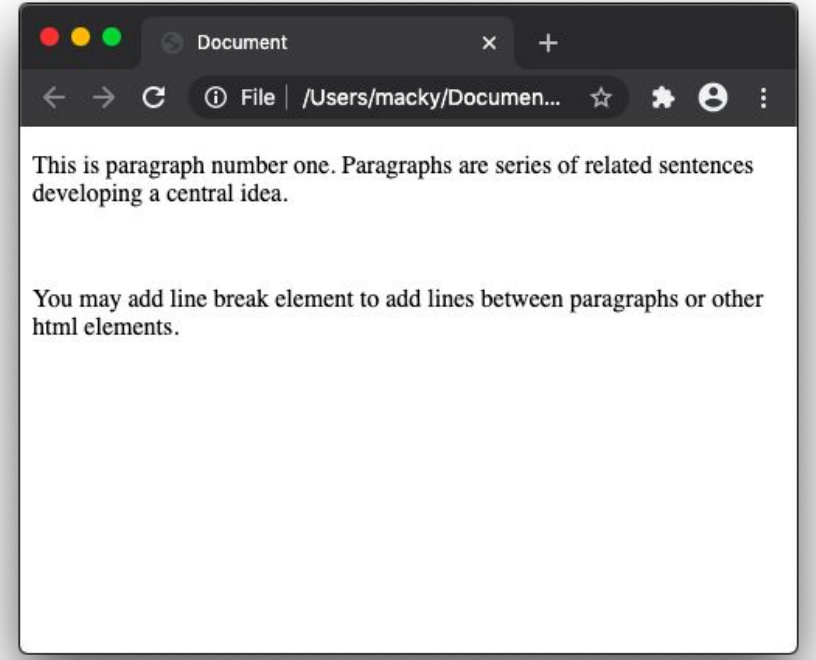
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <p>This is a paragraph. Paragraphs are usually
        represented in visual media as blocks of
        text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



HTML Typography

- Line break

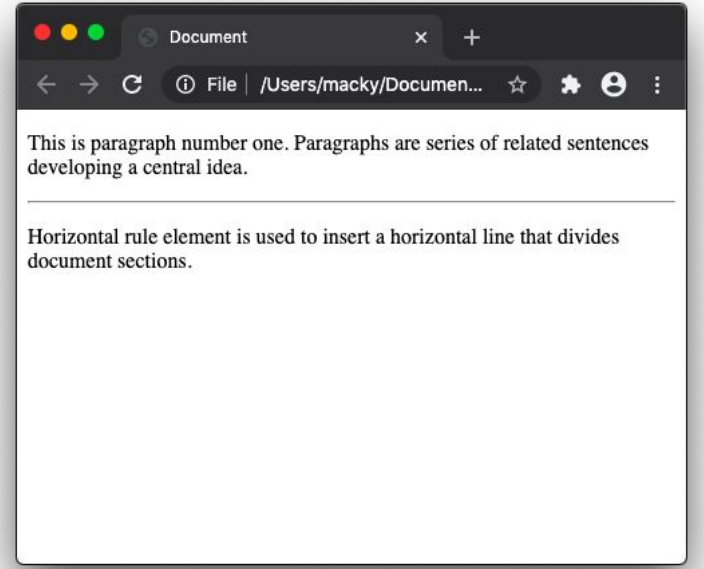
```
home.html > html > body > p
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9      <p>This is paragraph number one. Paragraphs are series 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>
```



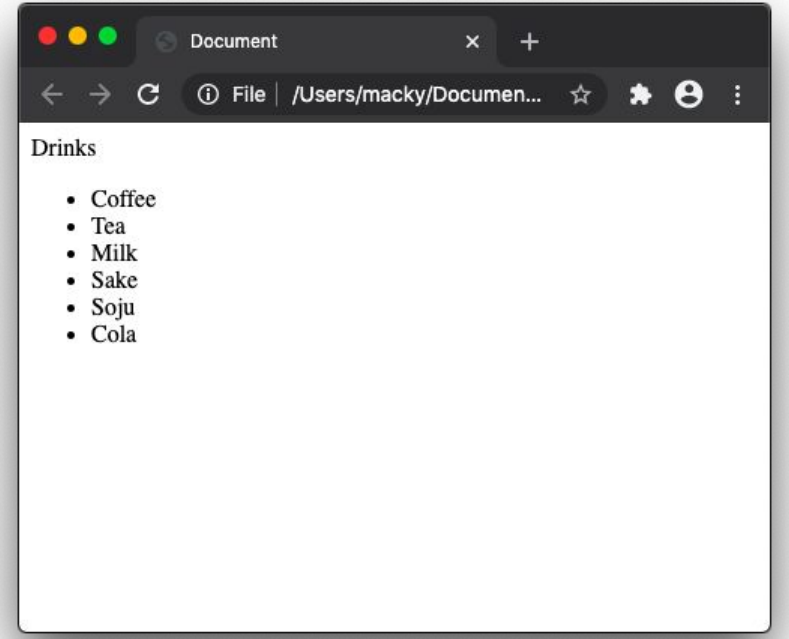
HTML Lists

- 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

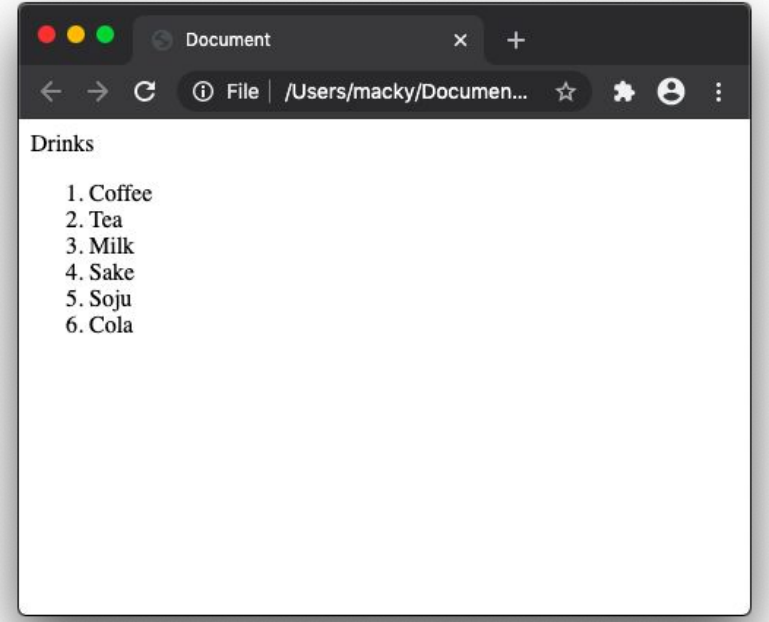
```
home.html > html > body > ul > li
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9      Drinks
10     <ul>
11         <li>Coffee</li>
12         <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

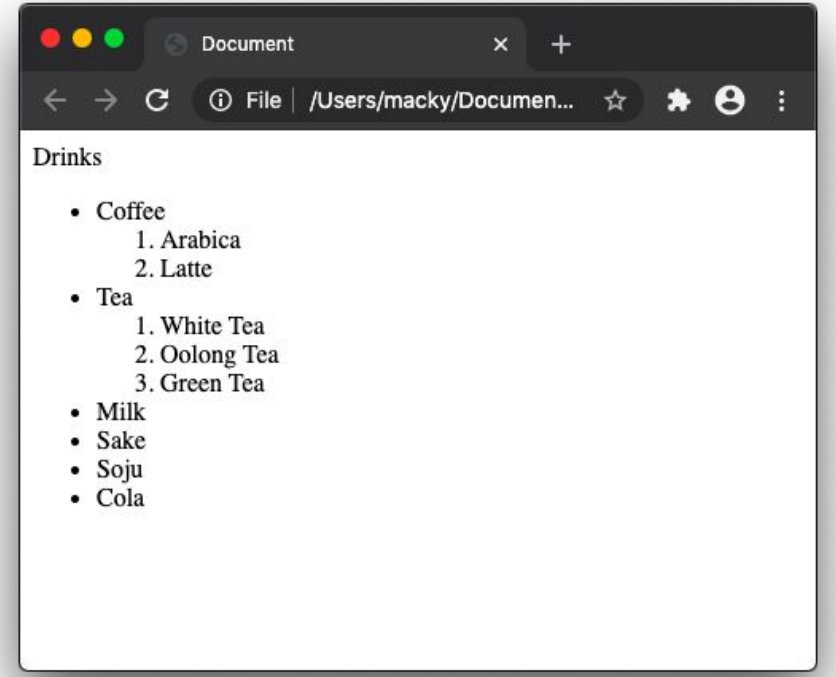
- Ordered List

```
home.html > html > body
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    Drinks
    <ol>
        <li>Coffee</li>
        <li>Tea</li>
        <li>Milk</li>
        <li>Sake</li>
        <li>Soju</li>
        <li>Cola</li>
    </ol>
</body>
</html>
```



HTML Lists

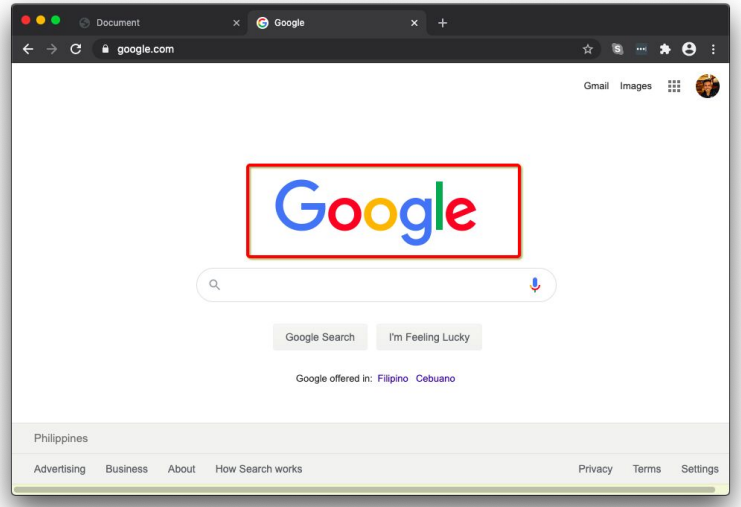
- Nested List




```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    Drinks
    <ul>
        <li>Coffee</li>
        <ol>
            <li>Arabica</li>
            <li>Latte</li>
        </ol>
        <li>Tea</li>
        <ol>
            <li>White Tea</li>
            <li>Oolong Tea</li>
            <li>Green Tea</li>
        </ol>
        <li>Milk</li>
        <li>Sake</li>
        <li>Soju</li>
        <li>Cola</li>
    </ul>
</body>
</html>
```

HTML Images

- HTML images



```
<img src="images/toyota.jpg" alt="Picture of a Toyota car.">
```

HTML Links

- What are links?

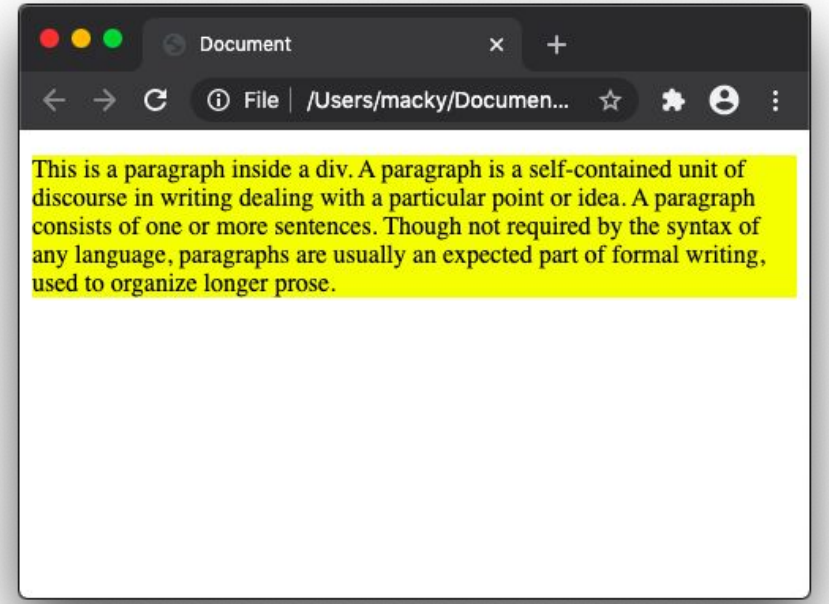
Allows users to click their way from one webpage to another.

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

HTML Div & Spans

- HTML Div - Division element is used to create boundaries in HTML pages

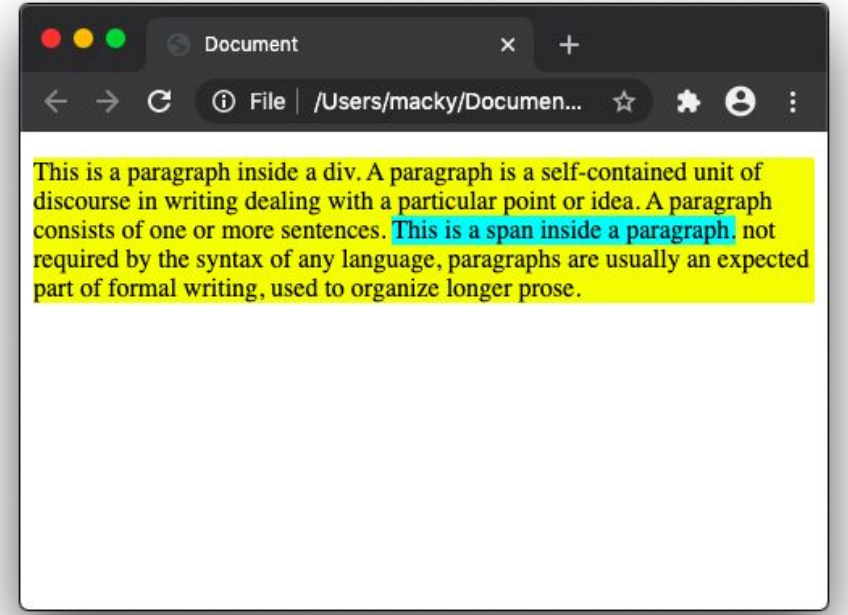
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <div style="background-color: yellow;">
        <p>
            This is a paragraph inside a div. A paragraph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



HTML Div & Spans

- HTML Span - to wrap small portions of text, images, etc.

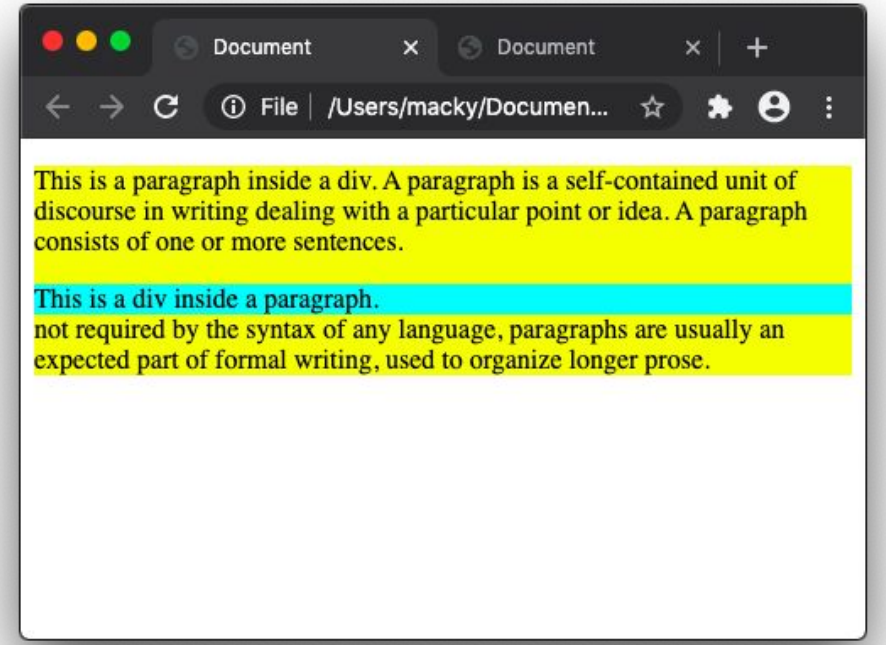
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <div style="background-color: yellow;">
        <p>
            This is a paragraph inside a div. A paragraph is a
            self-contained unit of discourse in writing dealing
            with a particular point or idea. A paragraph consists
            of one or more sentences.
            <span style="background-color: aqua;">This is a span inside
            a paragraph.</span> not required by the syntax of any
            language, paragraphs are usually an expected part of
            formal writing, used to organize longer prose.
        </p>
    </div>
</body>
</html>
```



HTML Div & Spans

- HTML Span

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <div style="background-color: yellow;">
        <p>
            This is a paragraph inside a div. A paragraph is a
            self-contained unit of discourse in writing dealing
            with a particular point or idea. A paragraph consists
            of one or more sentences.
            <div style="background-color: aqua;">This is a div inside
            a paragraph.</div> not required by the syntax of any
            language, paragraphs are usually an expected part of
            formal writing, used to organize longer prose.
        </p>
    </div>
</body>
</html>
```



Homework

- Download images of the following:
  - Four (4) cars images of different brands
  - Human washing cars
  - Human repairing cars
  - Human maintaining cars
- Total of 7 images

Topics for tomorrow

- HTML Forms
- HTML Tables
- Introduction to CSS