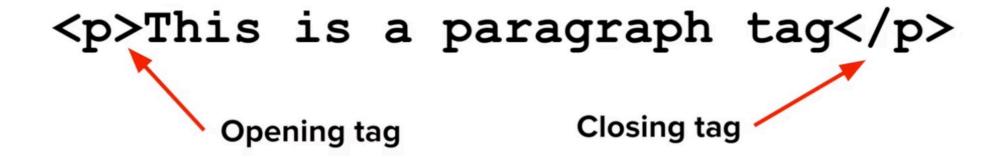# How does HTML work?

- We define our content with **tags**
  - Tags can contain other tags (nested tags)
  - There are **tons** of different tags, we'll only see a few (paragraphs, videos, lists, etc; just look up what you want)

- We use tags to create a structure for our webpage:

```
<p>This is a paragraph tag</p>

<h1>This is a header tag</h1>

<a href="google.com">This is a link tag</a>
```

More on tags

`<p>This is a paragraph tag</p>`

Opening tag   Closing tag

- Opening tag has the tag name (in this case, "p" for paragraph) in brackets.
- Closing tag looks the same, but has a "/" before the tag name.
- All content for the paragraph must go between the tags.

`<img src="img.png" />`

- Some tags, like the image tag, don't have closing tags

How does CSS work?

- We apply styles to our tags using <u>selectors</u>
  - A selector is something we give to a tag that allows us to access it through our CSS

```
<p class="my-text">Text</p>
```

- Different kinds of selectors:
  - **Class**: apply the same styles to a group of elements
  - **ID**: apply a style to a single element
  - **Tag**: apply a style to all instances of a specific tag

- We'll get to see how these styles are actually applied in the demo

CSS in Action

- HTML File:

```
<p class="my-text">Text</p>
```

- CSS File:

```
.my-text {
    font-size: 14px;
    color: blue;
}
```

Let's Try It!

Note: we aren't actually making Google, just a clone

What you'll need:

- A text editor (to code our HTML and CSS files)
  - Recommendations: Visual Studio Code, Atom (both free)

- Download the Lab01.zip file from Canvas