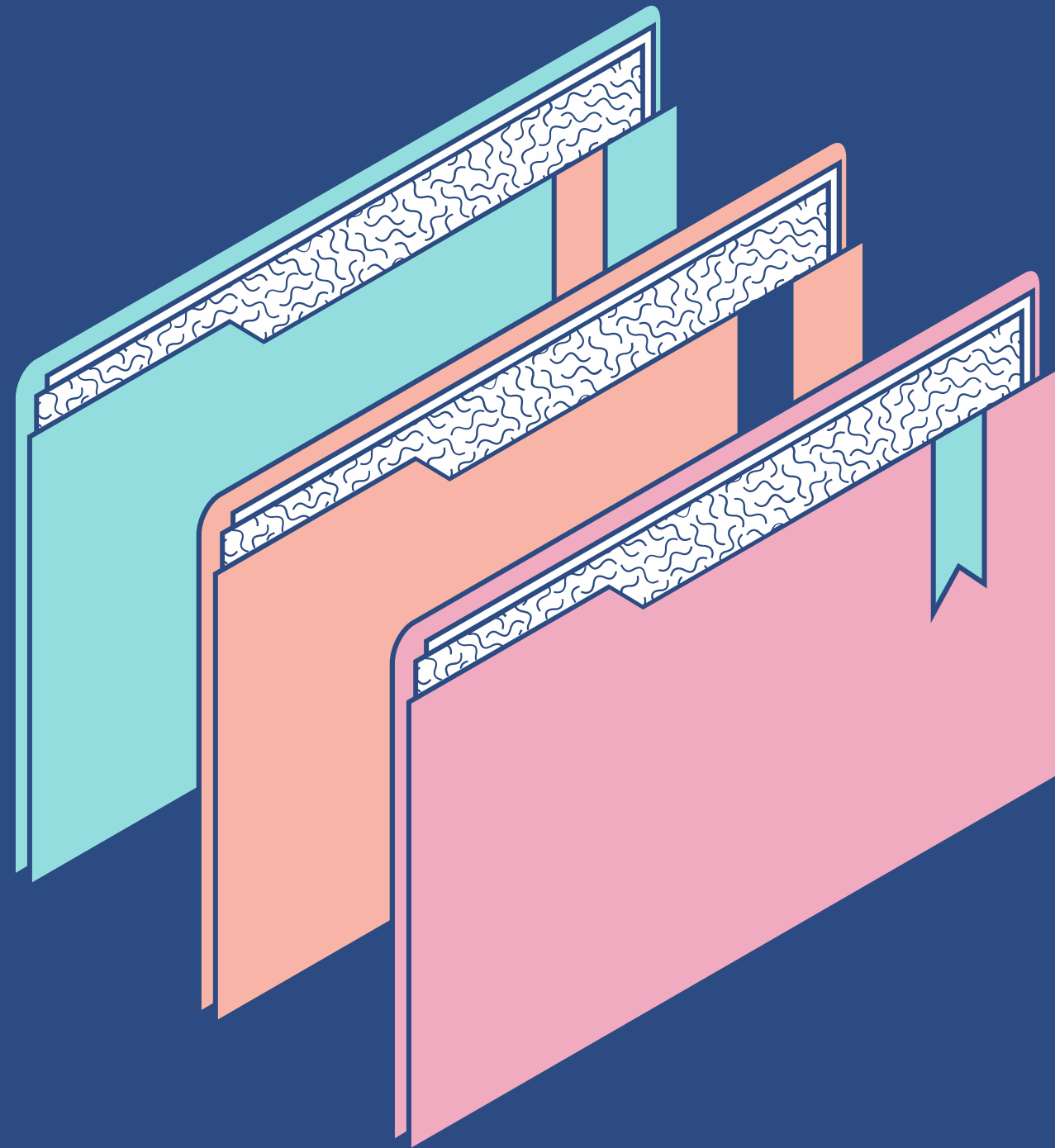




Web programming

01/09/2022



Lesson plan:

- What is HTML?
- CSS, JavaScript
- HTML Editors
- Basic HTML page

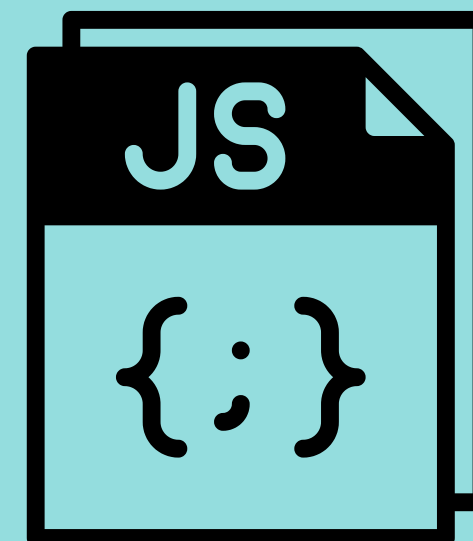
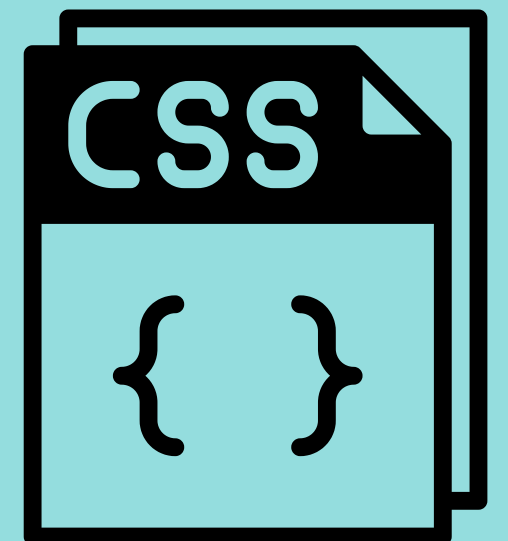
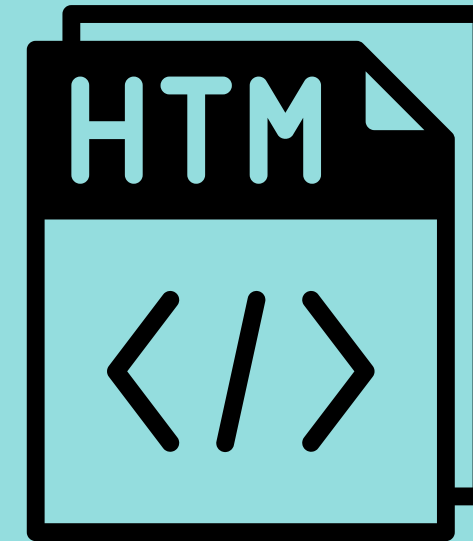
What is HTML?

HTML stands for **Hyper Text Markup Language**.

Dictionary.com defines a Markup as:
a set of detailed instructions, usually written on a manuscript to be typeset, concerning style of type, makeup of pages, and the like.

So you can think of HTML as the language used for creating detailed instructions concerning style, type, format, structure and the makeup of a web page before it gets printed (shown to you).

HTML helps you structure your page into elements such as paragraphs, sections, headings, navigation bars, and so on.



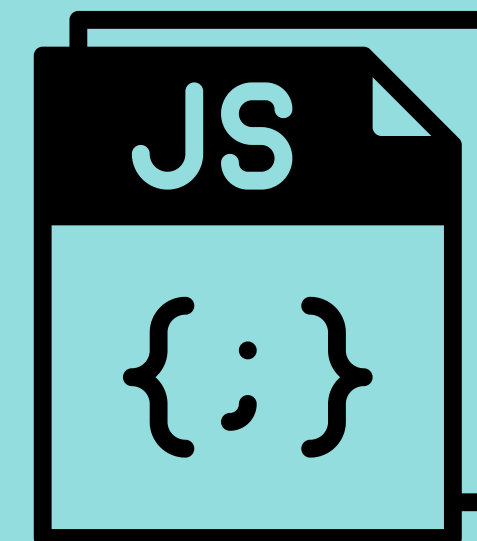
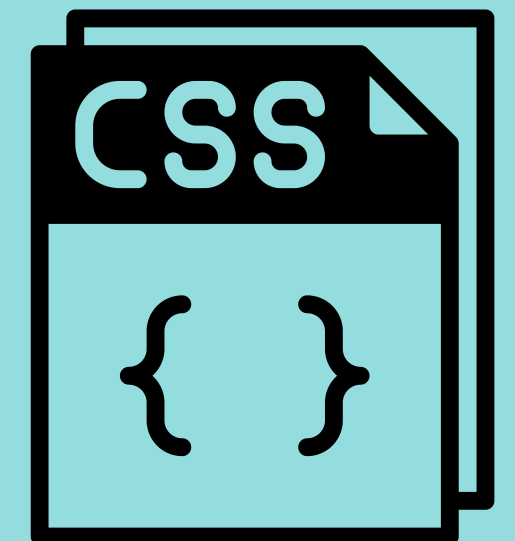
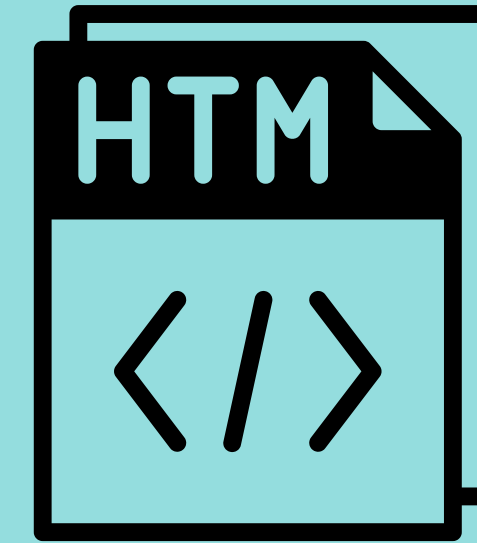
CSS

While HTML is a markup language used to format/structure a web page, CSS is a design language that you use to make your web page look nice and presentable.

CSS stands for **Cascading Style Sheets**, and you use it to improve the appearance of a web page. By adding thoughtful CSS styles, you make your page more attractive and pleasant for the end user to view and use.

Imagine if human beings were just made to have skeletons and bare bones – how would that look? Not nice if you ask me. So CSS is like our skin, hair, and general physical appearance.

You can also use CSS to layout elements by positioning them in specified areas of your page.

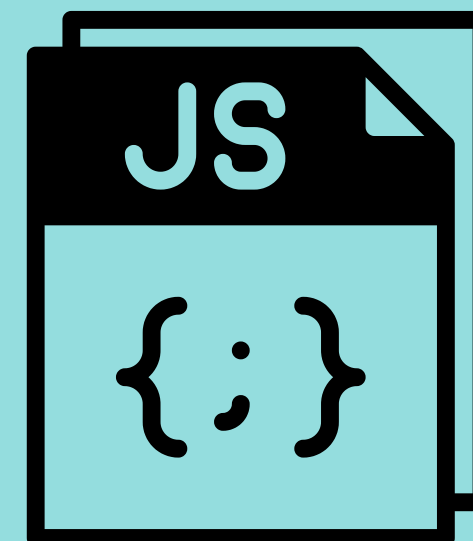
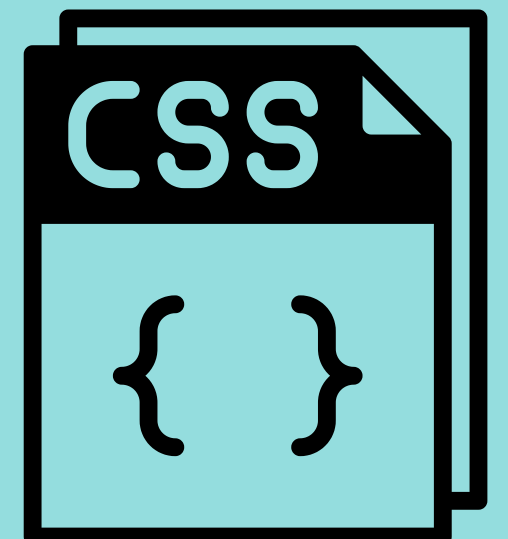
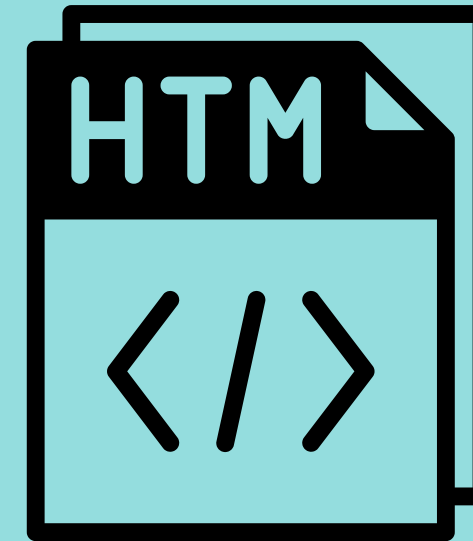


JavaScript (JS)

Now, if **HTML** is the markup language and **CSS** is the design language, then **JavaScript** is the programming language.

JavaScript is a lightweight programming language that web developers commonly use to create more dynamic interactions when developing web pages, applications, servers, and or even games.

Developers generally use **JavaScript** alongside **HTML** and **CSS**. The scripting language works well with **CSS** in formatting **HTML** elements. However, **JavaScript** still maintains user interaction, something that **CSS** cannot do by itself.





Now that we've gotten the basic theory out of the way. It's time to learn how to build our first website.

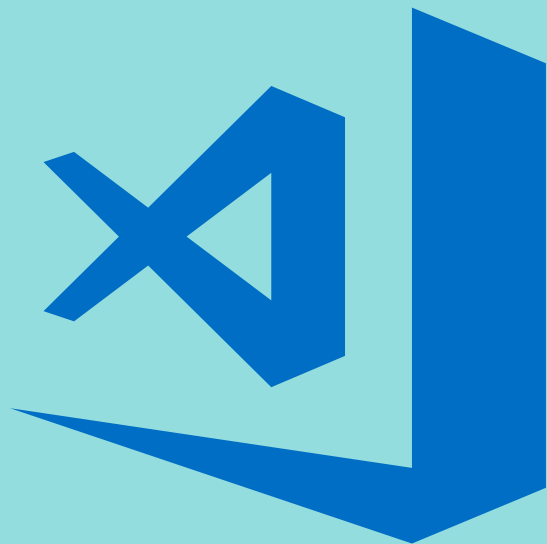
First off, we must ensure that we have the right tools. Most important, we need an HTML editor.

There are many choices on the market. Here are a handful of the most popular

Popular HTML editors



VISUAL
STUDIO
CODE



NOTEPAD++



SUBLIME
TEXT



INTELLIJ



ATOM



Basic construction of an HTML page

Step 1

Open TextEditor

Step 2

Write the following HTML code

```
<!DOCTYPE html>
<html>
<body>

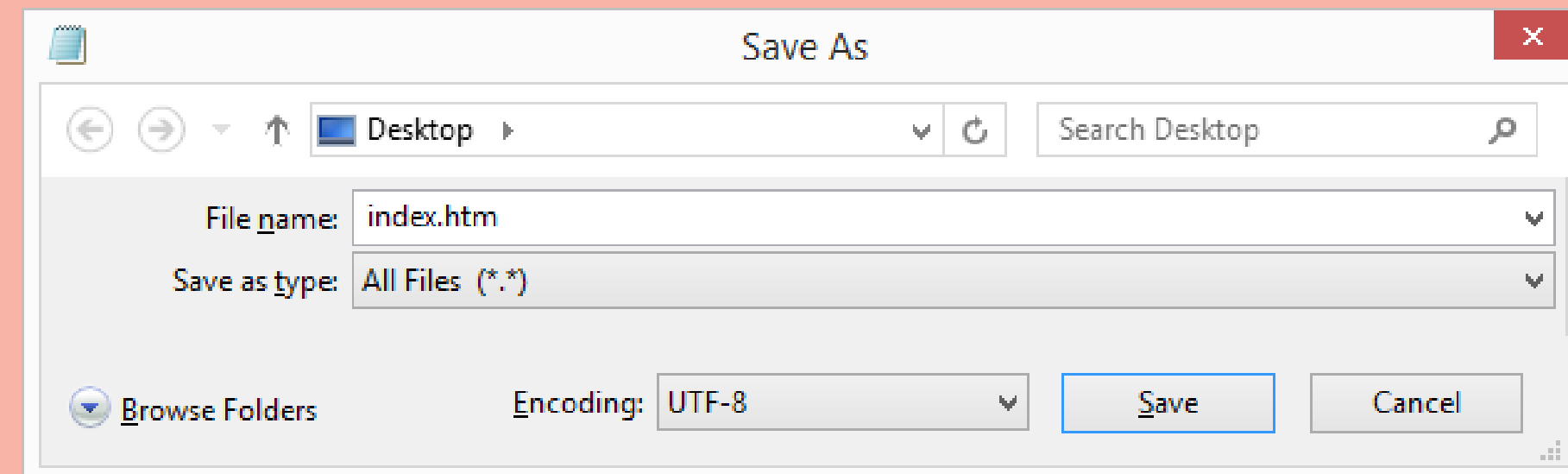
<h1>My First Heading</h1>

<p>My first paragraph.</p>

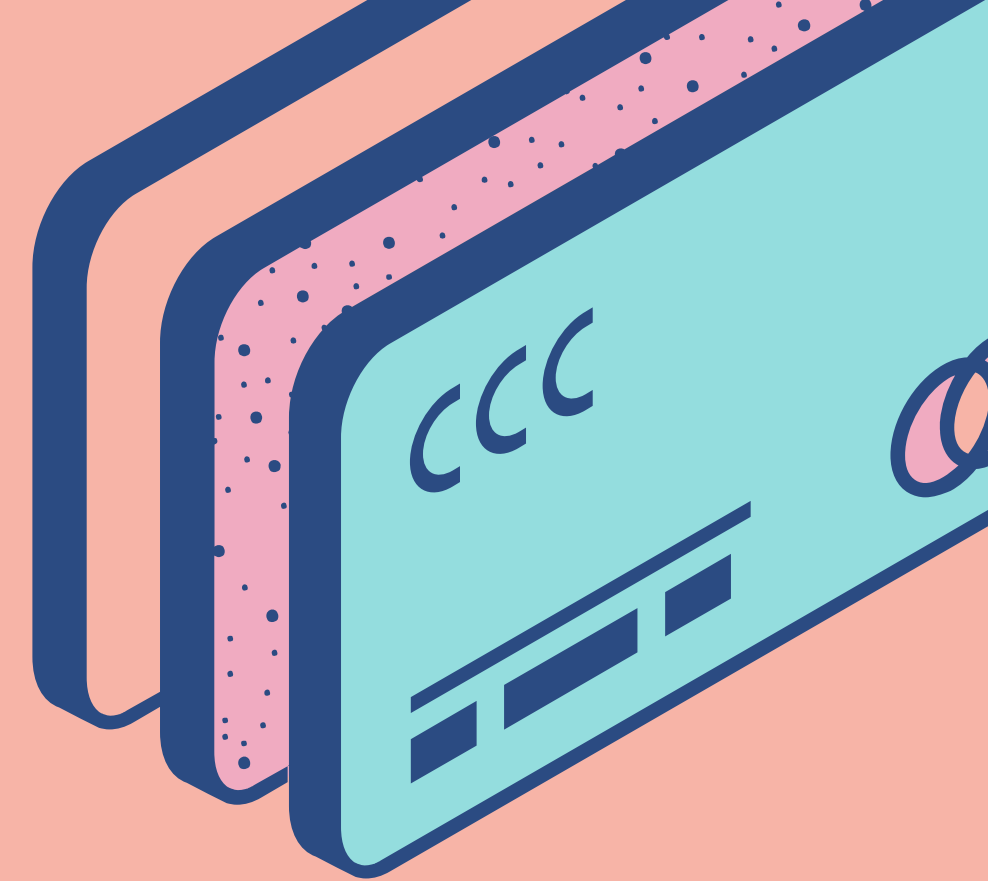
</body>
</html>
```

Step 3

Save the HTML page



Tip: You can use either .htm or .html as file extension. There is no difference; it is up to you.

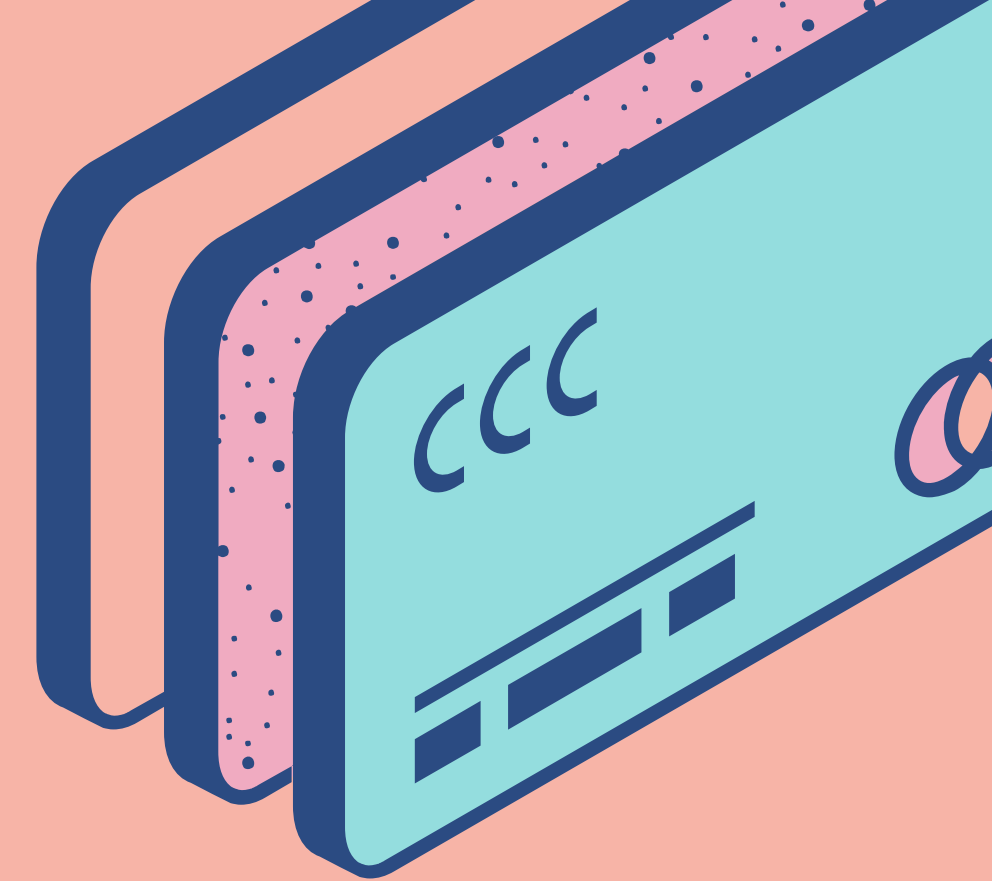
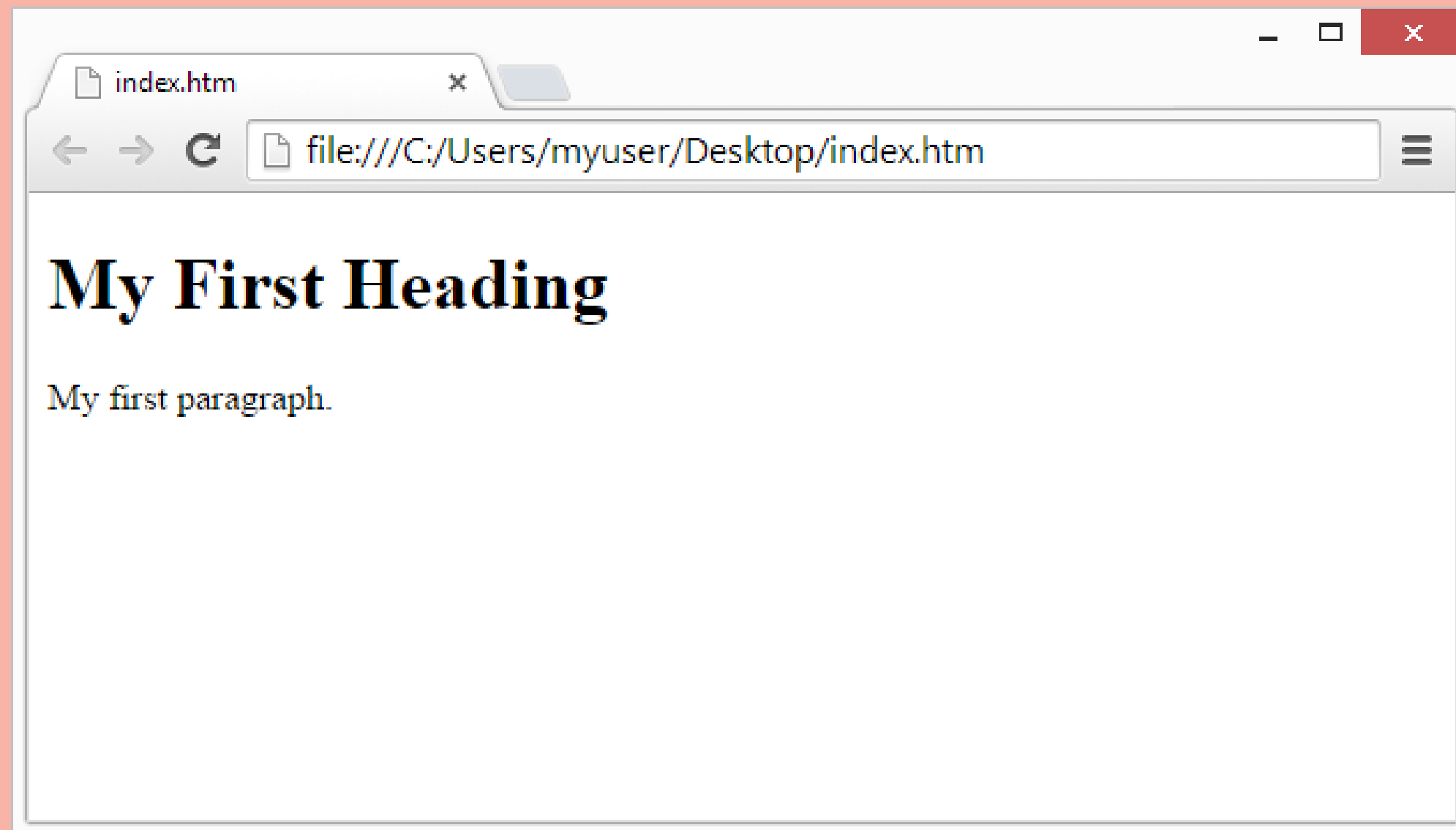


Basic construction of an HTML page

Step 4

Open the saved HTML file in your favorite browser (double click on the file, or right-click - and choose "Open with").

The result will look much like this:





Assignment

Find more information
about HTML editors and
choose the best one.

Create basic HTML page.

«Programming is **Thinking**,
Not **Typing**»

CASEY PATTON

