



INTRODUCTION TO HTML

APRIL 2022

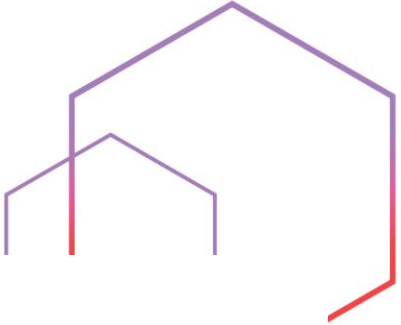
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What is HTML?

HTML stands for Hyper Text Markup Language

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- HTML is the standard markup language for creating Web pages
 - HTML describes the structure of a Web page
 - HTML consists of a series of elements
 - HTML elements tell the browser how to display the content
 - HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>


<h1>My First Heading</h1>
<p>My first paragraph.</p>

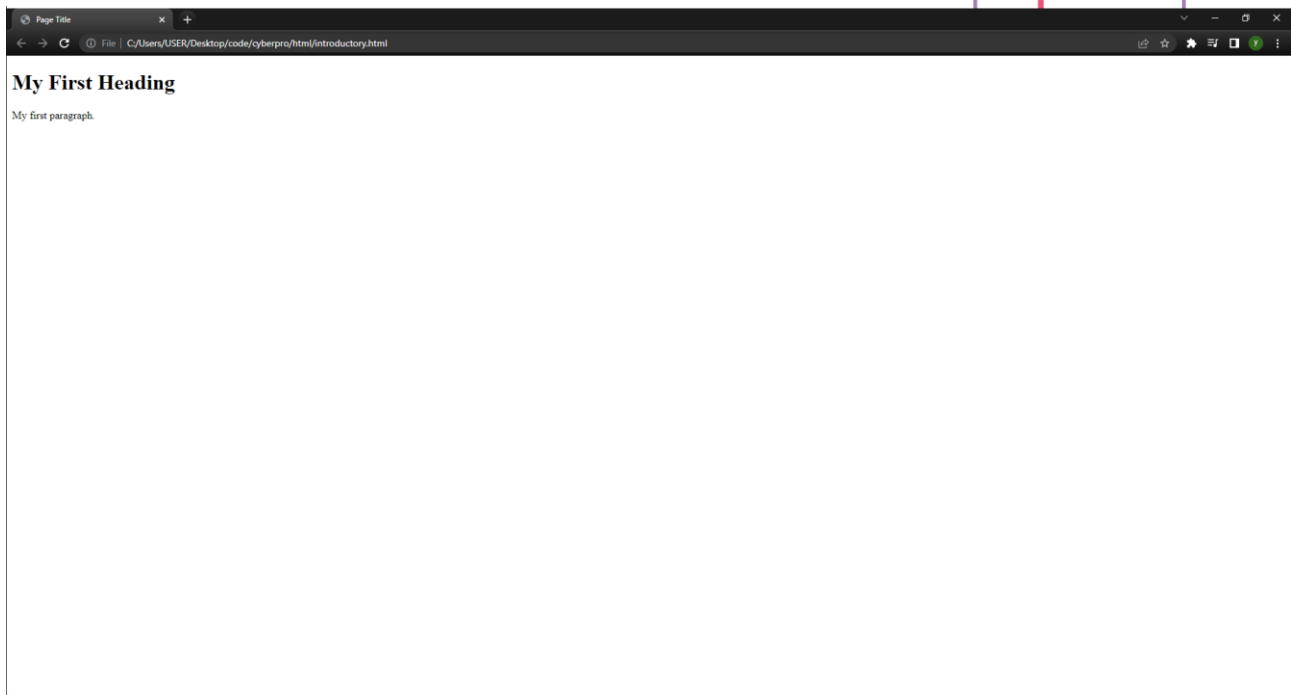
</body>
</html>
```

- The **<!DOCTYPE html>** declaration defines that this document is an HTML5 document
- The **<html>** element is the root element of an HTML page
- The **<head>** element contains meta information about the HTML page
- The **<title>** element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
- The **<body>** element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The **<h1>** element defines a large heading
- The **<p>** element defines a paragraph

In simpler terms, the heading is where we put our logistic scripts (remember this, we will come back to it). The body is where we write our code for the browser to display. Our HTML file will show a webpage, such as the following:

Tables allow us to sort data into rows and columns, as follows:





HTML Setup

Most of our projects will have an HTML file named index.html.

The index file is the main file that runs in our browser, and it is where we connect all our other files as well (if we have any).

Go ahead and copy/paste the following code into your index.html file:

```
<!DOCTYPE html>
<html>

  <head>
    <meta charset="utf-8" />
    <meta HTTP-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Page Title</title></head>

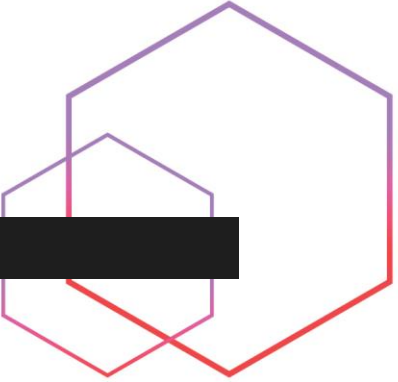
    <body>

    </body>

  </html>
```

This will be your "HTML boilerplate". Boilerplate code is what we call code that is used to set up projects. HTML wraps our whole HTML document. Inside of it, we will have the heading and body. The heading is for "logistics", such as the title of the page and links to other files.

The body is for the actual content of the page. Go ahead and add the following code into the body:



```
<h1>Hello CyberPro!</h1>
```

Lastly, open your HTML file in Google Chrome.

- Open Google Chrome.
- Click (Windows) Ctrl+o, or (Mac) Command+o
- Enter your lesson1 folder and choose your index.html file

Alternatively, you can open it on your browser using the following command in your terminal:

```
start <filename>
```

