

# HTML Guide

## What is HTML?

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a text browser. The best part about HTML is that it is easy to learn and you can simply Google for help on certain topics.

## What is CSS?

Cascading Style Sheets or CSS is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. Please note that for this website we are defining the style elements inside the HTML files, but they can also be stored separately in a .css file.

## Getting Started

Standard HTML File Format:

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

<h1>This is a Heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

1. `<!DOCTYPE html>` - This tag specifies the language you will write on the page
2. `<html>` - This tag signals that from here on we are going to write in HTML code
3. `<head>` - This is where all the metadata for the page goes. You most likely won't have to change this
4. `<body>` - This where the content of the page goes

Important Tips:

- Write all HTML code in the `<body>` tags/elements
- Most tags have to be opened (`<tag>`) and closed (`</tag>`)

Standard HTML File Format with CSS:

```
<!DOCTYPE html>
<html>
<head>
<style>
body {background-color: powderblue;}
h1  {color: blue;}
p   {color: red;}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

Important Tips:

- Write all CSS code in the <style> tags/elements

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### Comments

- Single Line of Code in HTML: `<!-- write comment here -->`
  - Tip: Use **Command + /** to comment selected line of code
- Single Line of Code in CSS (when in <style>): `/* write comment here */`

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### Common HTML Tags

- `<h1>` to `<h6>` - Defines HTML headings
- `<p>` - Defines a paragraph
- `<button>` - Defines a clickable button
- `<img>` - Defines an image
- `<figure>` - Specifies self-contained content
- `<div>` - Defines a division or section, used as a container for HTML elements which is then styles with CSS
- `<a>` - Defines a hyperlink

\*Note: all keyboard shortcuts are for Mac computers, therefore they may differ depending on your machine