

HTML Part 1

04:20

Document Structure

When working in HTML, there is something called `Document Structure` . It is extremely important when making sure the HTML document is set up correctly.



!DOCTYPE

In HTML5, specifying the `DOCTYPE` became important. **!DOCTYPE** is a statement in the HTML document to specify which version of HTML is being used. It is the way the browser knows that the document adheres to the HTML5 standard and will treat it as such. `DOCTYPE` will always be on line 1 of every HTML page because it needs to be listed before you write out any other HTML code.

The `DOCTYPE` is declared like so: `<!DOCTYPE html>`.

Tip!

In a future course you will learn more on how to view your HTML page in a code editor like VS Code. HTML pages are saved with the extension `.html` at the end of the file, which allows the content to be displayed on a webpage. Ex: "index.html"

HTML Element

The **HTML** tag `<html>` is used to denote the start of the HTML document. The HTML element contains the whole HTML document that will be read by the browser. When creating the HTML page, you start with `<html>` and end the document with `</html>`. Everything in between these tags is analyzed by the browser to create the display on the page.

There can only be **one** `<html>` element per document.

Head Element

The **head** element, `<head>`, contains all the metadata for that document. It will always be listed right after the `<html>` tag. HTML metadata is data about the HTML document that will not be displayed. It can define the document title, as well as, contain links to other pages that the page needs to display.

Tip!

Metadata is a set of data that describes and gives information about other data.

Meta information about the document is also placed in the `head` element using the `<meta>` tag, as is the `title` element with the `<title>` tag. The title tag tells the browser what to display on the browser tag and will not be shown directly on the HTML page.

There can only be **one** `head` and **one** `title` element per document. You can, however, have multiple `meta` tags if you choose.

```
<head>
  <title>Page Title</title>
  <meta charset="utf-8">
</head>
```

Additional Info!

There is a lot of information on meta tags. When you are ready, check out [MDN Meta](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/meta) (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/meta>).

Body Element

The `<body>` element contains everything that will be displayed in the browser. These elements can include text, images, and links. Any HTML element you want to be displayed on the webpage **MUST** be within the **body** element

There can only be one `body` element per document.

Structure of a Document

Now, try putting everything you have just learned together. The following shows the structure of a basic HTML document:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My First Document</title>
  </head>
  <body>
    <p>Content to be displayed on the screen will go here.</p>
  </body>
</html>
```

Review

Below is a quiz to review the recently covered material. Quizzes are *not* graded.

Document Structure Quiz

Your Score

100%

4/4 Questions Correct

Review

Retake

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