HTML
HTML Versions

- No clear standards existed in the early years of the language
- Semantic language devoid of presentation details
- Browser vendors pushed many presentational elements and attributes into the language
- CSS was created to overcome the fragmentation
HTML Versions - Who Decides?

- HTML5 is specified by the HTML Working Group of the [W3C](https://www.w3.org) following the W3C process

- W3C
  - The World Wide Web Consortium (W3C) is an international community where [Member organizations](https://www.w3.org/standards/members), a full-time [staff](https://www.w3.org/Staff), and the public work together to develop [Web standards](https://www.w3.org/standards). Led by Web inventor [Tim Berners-Lee](https://www.w3.org/History/Burners-Lee) and CEO [Jeffrey Jaffe](https://www.w3.org/About/leading), W3C's mission is to lead the Web to its full potential.
Tim Berners-Lee

• The inventor of the World Wide Web.
  ○ He made a proposal for an information management system in March 1989,

• He implemented the first successful communication between a Hypertext Transfer Protocol (HTTP) client and server via the Internet sometime around mid-November of that same year.
First Website

- The first website built was at CERN within the border of France,[30] and was first put online on 6 August 1991:
  - http://info.cern.ch/hypertext/WWW/TheProject.html
Basic tag

OPENING TAG

CHARACTER

LEFT-ANGLE BRACKET
(LESS-THAN SIGN)

RIGHT-ANGLE BRACKET
(GREATERTHAN SIGN)

CLOSING TAG

FORWARD SLASH
CHARACTER

LEFT-ANGLE BRACKET
(LESS-THAN SIGN)

RIGHT-ANGLE BRACKET
(GREATERTHAN SIGN)
Basic Structure

<!DOCTYPE HTML>

<html>
<head>
<title>Title of the document</title>
</head>
<body>
<p>The content of the document......</p>
</body>
</html>
The **<!DOCTYPE>** declaration must be the very first thing in your HTML document, before the `<html>` tag.

Instruction to the web browser about what version of HTML the page is written in

HTML5 there is only one
  - **<!DOCTYPE html>**

HTML4
  - **<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd"〉**
  - **<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd"〉**
The `<html>` tag tells the browser that this is an HTML document.

These are the opening tags for your webpage

All markup should be placed inside of these tags
The `<head>` element can include tags for css, javascript, keywords, here are some:

- `<title>` (this element is required in an HTML document), `<style>`, `<base>`, `<link>`, `<meta>`, `<script>`, `<noscript>`

The elements placed in the head tag are meant for browsers to preprocess before loading the rest of the document.
The `<body>` tag defines the document's body.

The `<body>` element contains all the contents of an HTML document, such as text, hyperlinks, images, tables, lists, etc.
HTML Structure

```html
<HTML>
  <HEAD>
    <TITLE>Title Text</TITLE>
  </HEAD>
  <BODY>
    <H1>H1 Heading</H1>
    <P>Paragraph 1</P>
    <P>Paragraph 2</P>
  </BODY>
</HTML>
```