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 following the W3C process

- W3C

  - The World Wide Web Consortium (W3C) is an international community where M organizations, a full-time staff, and the public work together to develop Web standards. Led by Web inventor Tim Berners-Lee and CEO Jeffrey Jaffe, W3C's mission is to lead the Web to its full potential.
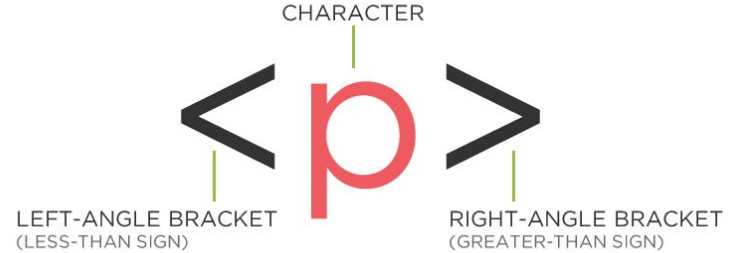
Tim Berners-Lee

- 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.
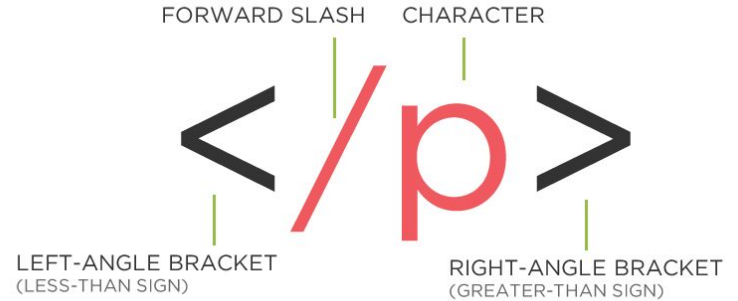
First Website

- 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

< p >

LEFT-ANGLE BRACKET
(LESS-THAN SIGN)

RIGHT-ANGLE BRACKET
(GREATER-THAN SIGN)

CLOSING TAG

FORWARD SLASH   CHARACTER

< / p >

LEFT-ANGLE BRACKET
(LESS-THAN SIGN)

RIGHT-ANGLE BRACKET
(GREATER-THAN SIGN)

Basic Structure

```
<!DOCTYPE HTML>

<html>

    <head>

        <title>Title of the document</title>

    </head>

    <body>

        <p>The content of the document......</p>

    </body>

</html>
```

<!DOCTYPE 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">`

<html></html>

- 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

<head><head>

- The <head> element can include tags for css, javascript, keywords, here are some:
  - <u>\<title></u> (this element is required in an HTML document), <u>\<style></u>, <u>\<base></u>, <u>\<link></u>, <u>\<meta></u>, <u>\<script></u>, <u>\<noscript></u>
- The elements placed in the head tag are meant for browsers to preprocess before loading the rest of the document

\<body>\</body>

- 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