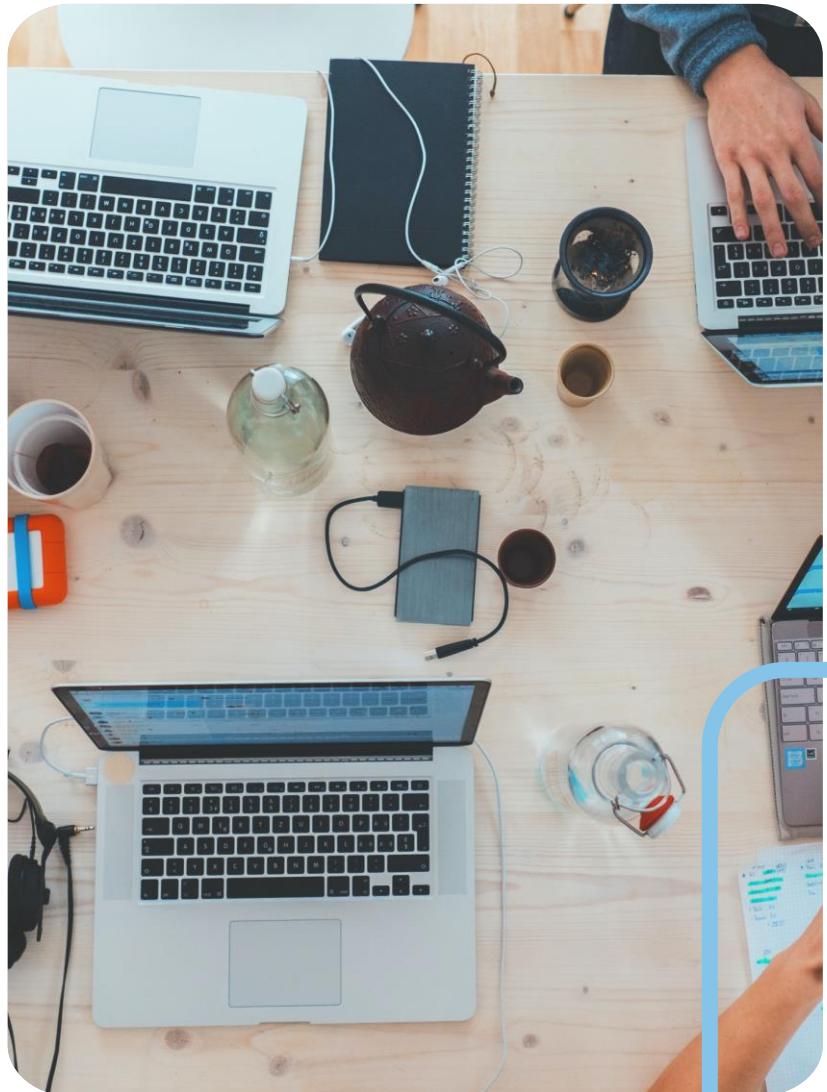




Diploma in **Web** **Development**

Introduction to HTML



Objectives

What is HTML? ↵

Installing the IDE ↵

Creating our first web page ↵

DID YOU KNOW?

“People start viewing your website from the top left corner.” - Finoit



HTML defined

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications.





Characteristics of HTML

Cornerstone technology used by most websites.

Enables media files to be embedded.

Semantically defines web page.

Allows developers to embed JavaScript.

Elements/tags have attributes.



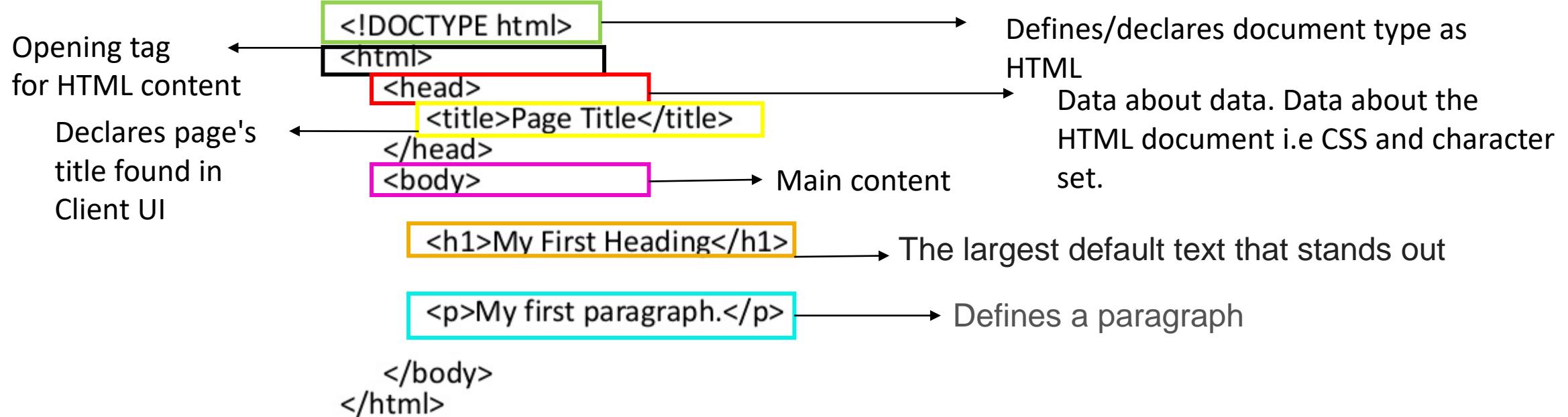


HTML 5

- The 5th iteration of the HTML standard.
- Adds support for embedded multimedia content, relying less on JavaScript.
- Introduces markup and application programming interfaces (APIs).
- Enables cross-platform implementation for low-powered devices.
- Enriches the semantic content of documents by introducing new page structure elements.
- Accommodates the use of multiple and outdated browsers.



Defining an HTML document



HTML tags and elements



Tags

Tags are the starting and ending parts of an HTML element.

`<p> </p>`

Elements

Elements enclose the contents in between the tags.

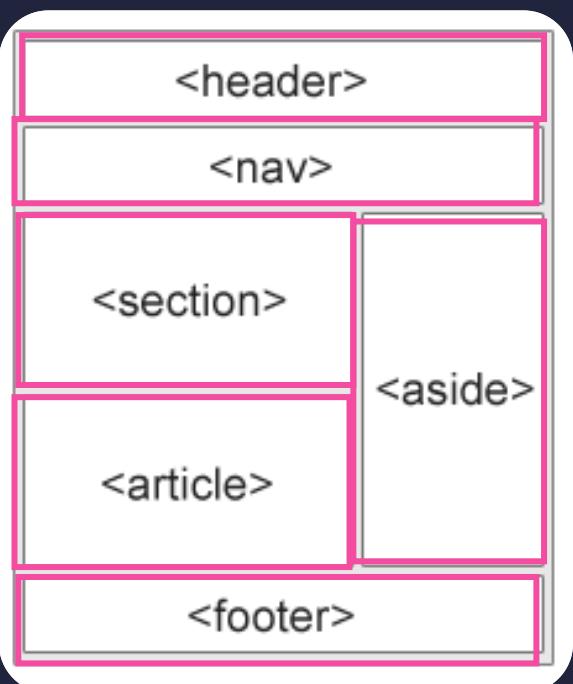
`<p>This is some text</p>`

Common HTML tags

Element/Tag	Details
<A> 	An anchor element with an HREF attribute. The value of the HREF attribute is a URI (i.e., an Internet address).
<DIV> </DIV>	A dummy element which contains block-level elements. It is used with style sheets.
<H1> </H1> ... <H6> </H6>	Headings (levels 1-6, i.e. H3 is a subheading within a H2 subheading)
	Image. Attributes: must have SRC and ALT.
 	List item. Used within an ordered () or unordered () list
 	A dummy element which contains in-line content.

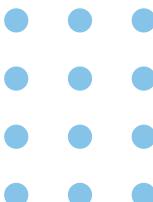
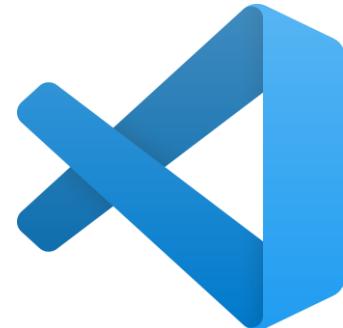
Common HTML tags

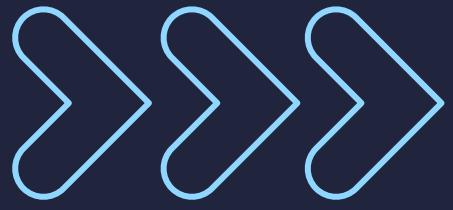
Element/Tag	Details
<header>	Specifies a header for a document or section i.e. used for large texts and headings
<nav>	Defines navigation links i.e. used with list items
<section>	Defines a section in a document
<article>	Defines an article
<aside>	Defines content aside from the page content i.e. Sidebars
<footer>	Defines a footer for a document or section usually found below the webpage or post
<main>	Specifies the main content of a document
<figure>	Specifies self-contained content, like illustrations, diagrams, photos, code listings, etc.



Integrated development environments (IDE)

- Visual Studio Code
- ATOM
- Sublime Text
- Brackets
- Notepad++





Let's code!

