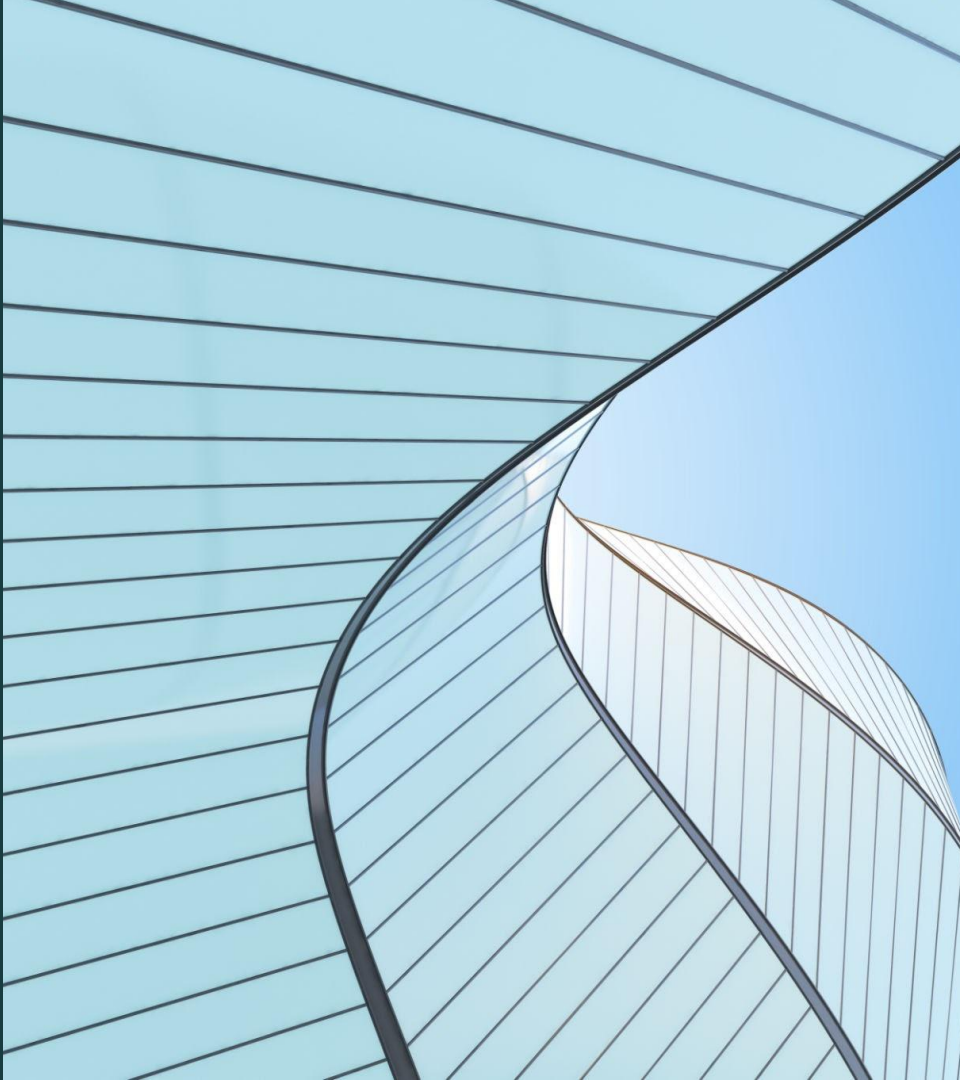# HTML Lesson

What is HTML?

HTML stands for HyperText Markup Language. It is the standard language used to create web pages and define the structure of web content.

Document Structure Tags

Tag	Description
`<!DOCTYPE>`	Declares the document type and version of HTML
`<html>`	Root element of the HTML document
`<head>`	Contains metadata (title, links, scripts, etc.)
`<title>`	Sets the browser tab title
`<meta>`	Provides metadata like charset, author, description
`<link>`	Links external resources like CSS files
`<style>`	Adds internal CSS styles
`<script>`	Adds or links JavaScript

Text Content Tags

Tag	Description
`<h1>` to `<h6>`	Headings, from largest (h1) to smallest (h6)
`<p>`	Paragraph
` `	Line break
`<hr>`	Horizontal line
`<strong>`	Important (bold) text
`<em>`	Emphasized (italic) text
`<small>`	Smaller text
`<del>`	Deleted (strikethrough) text

Text Content Tags

Tag	Description
`<ins>`	Inserted (underlined) text
`<sub>`	Subscript
`<sup>`	Superscript
`<pre>`	Preformatted text
`<b>`	Bold text (no importance)
`<i>`	Italic text (no importance)
`<mark>`	Highlighted text

Links and Media Tags

Tag	Description
`<a>`	Anchor (hyperlink) tag
`<img>`	Displays images
`<video>`	Embeds video content
`<audio>`	Embeds sound/audio content
`<iframe>`	Embeds another HTML page

List Tags

Tag	Description
`<ul>`	Unordered (bulleted) list
`<ol>`	Ordered (numbered) list
`<li>`	List item
`<dl>`	Definition list
`<dt>`	Definition term
`<dd>`	Definition description

Table Tags

Tag	Description
`<table>`	Table element
`<tr>`	Table row
`<th>`	Table header cell
`<td>`	Table data cell
`<thead>`	Table header group
`<tbody>`	Table body group
`<tfoot>`	Table footer group

Form Tags

Tag	Description
`<form>`	HTML form
`<input>`	`Input field`
`<label>`	`Label for input fields`
`<textarea>`	Multi-line text input
`<button>`	Button
`<select>`	Drop-down list
`<option>`	Option inside `<select>`
`<fieldset>`	Group of form fields
`<legend>`	Title for fieldset

Semantic HTML5 Tags

Tag	Description
`<header>`	Top section or navigation of a page
`<nav>`	Navigation links
`<main>`	Main content
`<section>`	Group of related content
`<footer>`	Footer content