HTML Cheat Sheet (Beginner, with Examples & Meta Tags)

Basic Structure

- `<!DOCTYPE html>` → Defines HTML5 document
- `<html lang='en'>...</html>` → Root element with language
- `<head>...</head>` → Metadata section
- `<body>...</body>` → Visible content

Head Section

- `<title>My Page</title>` → Page title (shown in browser tab)
- `<meta charset='UTF-8'>` → Character encoding
- `<link rel='stylesheet' href='style.css'>` → External CSS
- `<script src='app.js'></script>` → External JS

Meta Tags (SEO & Info)

- `<meta name='description' content='Short page description'>` → Helps search engines
- `<meta name='keywords' content='HTML, cheat sheet, beginner'>` → SEO keywords (less used today)
- `<meta name='author' content='Your Name'>` → Author info
- `<meta name='viewport' content='width=device-width, initial-scale=1.0'>` → Mobile responsiveness
- `<meta http-equiv='refresh' content='30'>` → Refresh page every 30 seconds
- `<meta name='robots' content='index, follow'>` → Search engine crawling control

Text & Headings

- `<h1>Heading</h1>` → Main heading (Example: Hello)
- `<p>Paragraph</p>` → Text block (Example: This is text)
- `<br>` → Line break (Example: Line1
Line2)
- `<hr>` → Horizontal line (Example: Above<hr>Below)

Formatting

- `<strong>Bold</strong>` → Bold (Example: **Bold text**)

- `<em>Italic</em>` → Italic (Example: *Italic text*)
- `<mark>Highlight</mark>` → Highlighted (Example: Marked)
- Subscript: `H<sub>2</sub>O` → H$_2$O
- Superscript: `x<sup>2</sup>` → x^2

Links & Media

- `<a href='https://example.com'>Link</a>` → Hyperlink
- `<img src='cat.jpg' alt='Cat'>` → Image
- `<video controls><source src='movie.mp4' type='video/mp4'></video>` → Video player
- `<audio controls><source src='song.mp3' type='audio/mpeg'></audio>` → Audio player

Lists

- Unordered list: `<ul><li>One</li><li>Two</li></ul>` → • One • Two
- Ordered list: `<ol><li>One</li><li>Two</li></ol>` → 1. One 2. Two
- Definition list: `<dl><dt>Term</dt><dd>Definition</dd></dl>`

Tables

- `<table><tr><th>H</th><th>H</th></tr><tr><td>A</td><td>B</td></tr></table>`
- Example → Table with headers and rows

Forms

- `<form><input type='text'></form>` → Text input
- Example: Name: `<input type='text'>`
- `<textarea>...</textarea>` → Multi-line text area
- `<select><option>A</option></select>` → Dropdown menu
- `<button>Click</button>` → Button

Semantic Elements

- `<header>` → Page/section header
- `<nav>` → Navigation bar
- `<main>` → Main content area
- `<section>` → Thematic section
- `<article>` → Independent article
- `<aside>` → Sidebar info
- `<footer>` → Footer of page

Containers

- `<div>` → Block-level container (Example: wraps multiple elements)
- `<span>` → Inline container (Example: style part of text)