Essential HTML Tags & CSS Linking – Quick Reference Guide

1. Self■Closing / Void ("Ending Line") Tags

These tags don't wrap content – they finish on the same line. HTML5 allows omitting the trailing slash, but it's still common in XHTML■style.

```
&lt;br&gt;      &lt;!-- Line break --&gt;
&lt;hr&gt;      &lt;!-- Horizontal rule --&gt;
&lt;img src="cat.jpg" alt="Cat"&gt; &lt;!-- Image --&gt;
&lt;meta charset="UTF-8"&gt;
&lt;link rel="stylesheet" href="style.css"&gt;
```

2. Headline Tags (<h1>–<h6>)

Use heading tags to create an outline: **h1** for the main title, **h2** for sections, down to **h6**.

```
&lt;h1&gt;Main Page Title&lt;/h1&gt;
&lt;h2&gt;Section Heading&lt;/h2&gt;
&lt;h3&gt;Sub■section&lt;/h3&gt;
```

3. Anchor Tag (<a>)

Syntax:

```
&lt;a href="https://example.com" target="_blank" rel="noopener" title="Example site"&gt;
  Visit Example
&lt;/a&gt;
```

Common attributes:

```
href       – URL or fragment (#section)
target     – _self (default), _blank, _parent, _top
rel        – relationship hints (noopener, noreferrer, author…)
download   – forces download; value = suggested filename
title      – tooltip text
id, class  – hooks for CSS/JS
```

4. Image Tag (<img>)

```
&lt;img src="puppy.jpg" alt="Golden retriever puppy playing" width="400" height="300" loading="lazy
```

Key attributes explained:

```
src          – Image path/URL (required)
alt          – Text alternative (required for accessibility)
width/height – Display size (px or %); keeps aspect when one given
title        – Tooltip on hover
loading      – lazy | eager (defers off■screen images)
srcset/sizes – responsive images
```

5. Other Frequently■Used Tags

```
&lt;p&gt;Paragraph of text&lt;/p&gt;
&lt;div&gt;Generic block container&lt;/div&gt;
```

```
<span>Generic inline container</span>
<ul><li>Unordered list</li></ul>
<ol><li>Ordered list</li></ol>
<table><tr><th>Table</th><td>data</td></tr></table>
<form action="…" method="post"></form>
```

6. Three Ways to Link CSS

6.1 External stylesheet (best practice)

```
<!-- head section -->
<link rel="stylesheet" href="styles.css">
```

6.2 Internal <style> block

```
<style>
  body {font-family: system-ui;}
  h1    {color: teal;}
</style>
```

6.3 Inline style attribute

```
<p style="color: slateblue; margin-top: 1rem;">
  Styled inline paragraph
</p>
```

7. Mini Demo Page Combining All Concepts

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>HTML Tag Demo</title>
  <link rel="stylesheet" href="styles.css"> <!-- External CSS -->
  <style>
    h1 {color: tomato;}              /* Internal CSS */
  </style>
</head>
<body>
  <h1>Hello World</h1>
  <p>This is a paragraph.<br>Here is a line break.</p>
  <a href="https://openai.com" target="_blank" rel="noopener">OpenAI</a>
  <img src="robot.png" alt="Robot icon" width="150">
  <hr>
  <ul>
    <li>Item 1</li>
    <li>Item 2 <span style="color:green;">(inline styled)</span></li>
  </ul>
</body>
</html>
```