

Use of General HTML Formatting tags and HTML Entities

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Adding Images, Lists, and HTML Tags Example</title>
</head>
<body>

  <!-- First Image (Relative Link) -->
  <h2>Image from Local Machine</h2>
  

  <!-- Second Image (Absolute Link) -->
  <h2>Image from the Internet</h2>
  

  <!-- Simple bold heading -->
  <h2><b>This is a bold heading!</b></h2>

  <!-- Paragraph with different text formatting -->
  <p>
    HTML stands for <strong>Hypertext Markup Language</strong>, and it's
    basically the backbone of every webpage you see on the internet.
    It structures all content, like text, images, and links, and makes it
    display in a way that's easy for browsers to interpret.
    For example, you can make text <i>italic</i> using the
    <code>&lt;i></code> tag, or you can make it <b>bold</b> with the
    <code>&lt;b></code> tag.
    <br>If you want to add emphasis to a word or phrase, you can use the
    <em>emphasis</em> tag, which usually renders text in italics as well.
    It's helpful for emphasizing important points without being too
    heavy-handed.
    Sometimes, you'll need to make text <small>smaller</small> to fit certain
```

design requirements, like in footnotes or disclaimers, or perhaps `<big>larger</big>` for headings, callouts, or highlighted terms to grab attention.

`
`In more technical scenarios, like mathematical equations or scientific formulas, you'll probably see things like `^{superscript}` (for powers and exponents, like in $E = mc^2$) or `_{subscript}` (for example, in H_2O , which represents water).

`
`Want to underline some important text? You can use the `<u>underline</u>` tag.

If you're keeping track of changes in a document, you can use `deleted text` to show something that's been removed, and `<ins>inserted text</ins>` to indicate new content added.

`</p>`

`<!-- Line break -->`

`<p>`Here's an example of how a line break works:`</p>`

`<p>`First line of text.`
`Second line of text appears after the break.`</p>`

`<!-- Example of smaller text -->`

`<p>`If you need to make text smaller for secondary information or fine print, try using the `<small>small</small>` tag.`</p>`

`<!-- Discussing HTML entities -->`

`<h3>`Let's talk about HTML entities:`</h3>`

`<p>`HTML entities are helpful when you need to display special characters that either have a reserved meaning in HTML or can't easily be typed directly on a keyboard.

For example, if you're writing HTML and need to include symbols like less-than (`<`) or greater-than (`>`), you would use entities to prevent the browser from interpreting those symbols as actual tags.`</p>`

`<!-- Example of special characters -->`

`<p>`For example, the less-than symbol can be written as `<code><</code>`, and the greater-than symbol is represented as `<code>></code>`.`</p>`

`<!-- Displaying quotes and special characters -->`

`<p>`If you want to include quotes in your content, you can use `<code>"</code>` for double quotes and `<code>'</code>` for single quotes.

These are useful when you're working with strings of text in HTML attributes or inside JavaScript code.`</p>`

`<p>`Here are some more common HTML entities that you'll likely encounter:`</p>`

``

`& (ampersand)` *`<!-- Displays the & symbol -->`*

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    <li>&lt; (less-than sign)</li> <!-- Displays the < symbol -->
    <li>&gt; (greater-than sign)</li> <!-- Displays the > symbol -->
    <li>&quot; (double quote)</li> <!-- Displays the " symbol -->
    <li>&#39; (single quote)</li> <!-- Displays the ' symbol -->
    <li>&#x2600; (sun symbol, in hexadecimal)</li> <!-- Displays the sun
symbol -->
    <li>&copy; (copyright symbol)</li> <!-- Displays the copyright symbol -->
    <li>&reg; (registered trademark symbol)</li> <!-- Displays the registered
trademark symbol -->
    <li>&euro; (euro symbol)</li> <!-- Displays the euro symbol -->
</ul>

<!-- Unordered List of items -->
<h3>Shopping List (Unordered List)</h3>
<ul>
    <li>Milk</li>
    <li>Eggs</li>
    <li>Cheese</li>
    <li>Apples</li>
</ul>

<!-- Ordered List (Default number type) -->
<h3>Steps to Create a Webpage</h3>
<ol>
    <li>Choose a text editor</li>
    <li>Write HTML code</li>
    <li>Add CSS for styling</li>
    <li>Publish your webpage online</li>
</ol>

<!-- Ordered List (Type A - Uppercase Letters) -->
<h3>Ordered List with Uppercase Letters (Type A)</h3>
<ol type="A">
    <li>Research</li>
    <li>Design</li>
    <li>Develop</li>
    <li>Test</li>
    <li>Deploy</li>
</ol>

<!-- Ordered List (Type a - Lowercase Letters) -->
<h3>Ordered List with Lowercase Letters (Type a)</h3>
<ol type="a">

```

```
<li>Read the specifications</li>
<li>Write the code</li>
<li>Review the code</li>
<li>Deploy the application</li>
</ol>
```

```
<!-- Anchor Tag Example -->
```

```
<h3>Click the link below to visit an external site:</h3>
```

```
<a href="https://www.youtube.com" target="_blank">Direct to youtube.com?</a>
```

```
</body>
```

```
</html>
```

Browser Outputs:



