HTML Text Formatting Tags

This documentation outlines the essential text formatting tags in HTML, detailing their purpose and usage to enhance content presentation.

Text Formatting Tags Overview

Headings

- `<h1>` **to** `<h6>` : Define headings, with `<h1>` being the most significant and `<h6>` the least.

```
<h1>Main Heading</h1>
<h2>Subheading</h2>
```

Paragraphs and Line Breaks

- `<p>` : Defines a paragraph.
- `<br>` : Inserts a line break within a paragraph.

```
<p>This is a paragraph.</p>
<p>This is a line<br>break example.</p>
```

Text Styling

- `<strong>` : Makes text bold and semantically emphasizes it.
- `<b>` : Makes text bold without semantic emphasis.
- `<em>` : Italicizes text and provides semantic emphasis.
- `<i>` : Italicizes text without semantic emphasis.
- `<u>` : Underlines text.

```
<p><strong>Bold text</strong>, <b>non-semantic bold</b></p>
<p><em>Italicized text</em>, <i>non-semantic italic</i></p>
<p><u>Underlined text</u></p>
```

Text Size and Highlighting

- `<small>` : Displays smaller text.
- `<mark>` : Highlights text for emphasis.

```
<p><small>Small text example</small></p>
<p><mark>Highlighted text example</mark></p>
```

Subscript and Superscript

- `<sub>` : Displays subscript text.
- `<sup>` : Displays superscript text.

```
<p>Water formula: H<sub>2</sub>O</p>
<p>Exponent example: x<sup>2</sup></p>
```

Inserted and Deleted Text

- `<ins>` : Represents inserted text.
- `<del>` : Represents deleted text.

```
<p><ins>Inserted text</ins></p>
<p><del>Deleted text</del></p>
```

Semantic and Special Tags

Code and Output

- `<code>` : Represents inline code snippets.
- `<samp>` : Represents sample output.
- `<kbd>` : Represents keyboard input.

```
<p>Inline code: <code>let x = 10;</code></p>
<p>Sample output: <samp>Hello, World!</samp></p>
<p>Keyboard input: <kbd>Ctrl + S</kbd></p>
```

Quotations

- `<q>` : Defines a short inline quotation.
- `<blockquote>` : Represents longer quotations, optionally with a citation.

```
<p>Quote: <q>Knowledge is power.</q></p>
<blockquote cite="https://example.com">
    A long quotation example goes here.
</blockquote>
```

Abbreviations

- `<abbr>` : Represents abbreviations or acronyms.

```
<p>The <abbr title="World Wide Web">WWW</abbr> is essential for modern
communication.</p>
```

Contact Information

- `<address>` : Provides contact information.

```
<address>
    John Doe<br>
    1234 Elm Street<br>
    Springfield, USA
</address>
```

Preformatted Text

- `<pre>` : Maintains spaces and line breaks as written in the code.

```
<pre>
    Line 1
    Line 2
</pre>
```

Horizontal Rule

- `<hr>` : Inserts a horizontal line to indicate a thematic break.

```
<hr>
```

Complete Example in HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HTML Text Formatting</title>
</head>
<body>
    <h1>HTML Text Formatting</h1>
    <h2>Introduction</h2>
    <p>This document illustrates the usage of HTML text formatting tags.</p>

    <h2>Examples</h2>
    <p><strong>Bold</strong> and <em>Italicized</em> text.</p>
    <p>Subscript: H<sub>2</sub>O, Superscript: x<sup>2</sup></p>
    <blockquote cite="https://example.com">
        Blockquote with a citation.
    </blockquote>
    <p>Highlighted text: <mark>Important information</mark>.</p>
    <hr>
    <address>
        Contact: John Doe, johndoe@example.com
    </address>
</body>
</html>
```