

## Text Formatting Tags in HTML:

### 1. Bold and Strong:

- `<b>` and `<strong>` tags are used to make text bold.
- Example:

```
<b>This text is bold</b>` or <strong>This text is strong</strong>`.
```

- Both tags visually render text as bold, but `<strong>` carries a stronger semantic meaning, indicating importance.

### 2. Italic and Emphasis:

- `<i>` and `<em>` tags are used to make text italicized.
- Example:

```
<i>This text is italic</i>` or <em>This text is emphasized</em>`.
```

- Similar to bold tags, `<em>` has a stronger semantic meaning, indicating emphasized text.

### 3. Underline:

- `<u>` tag is used to underline text.
- Example:

```
<u>This text is underlined</u>`.
```

- However, using CSS for styling is recommended over the `<u>` tag for better control and consistency.

### 4. Strikethrough:

- `<s>` and `<strike>` tags are used to create strikethrough text.
- Example:

```
<s>This text has a strikethrough</s>` or <strike>This text is struck through</strike>`.
```

### 5. Superscript and Subscript:

- `<sup>` is used for superscript (text appearing above the baseline).
- `<sub>` is used for subscript (text appearing below the baseline).
- Example:

```
10<sup>th</sup>,` `H<sub>2</sub>O`.
```

### 6. Marked Text:

- `<mark>` tag is used to highlight or mark portions of text.
- Example:

```
`<mark>This text is highlighted</mark>`.
```

### 7. Small Text:

- `<small>` tag is used to reduce the size of text.
- Example:

```
`<small>This text is smaller</small>`.
```

### 8. Abbreviations and Acronyms:

- `<abbr>` tag is used for abbreviations, providing a full expansion on hover.
- `<acronym>` tag is similar but has been deprecated in HTML5.
- Example:

```
`<abbr title="World Health Organization">WHO</abbr>`.
```

### 9. Citation:

- `<cite>` tag is used to reference the title of a creative work.
- Example:

```
`<cite>The Catcher in the Rye</cite>`.
```

### 10. Code:

- `<code>` tag is used to define a piece of computer code.
- Example:

```
`<code>print("Hello, World!")</code>`.
```

These text formatting tags allow developers to enhance the presentation and structure of textual content on a webpage. It's important to use them judiciously and consider the semantic meaning they convey for accessibility and SEO.