

Class Notes - HTML Elements and Tags

◆ 1. Block vs Inline Elements

- **Block-level elements:** Occupy full width, start on a new line.
- **Inline elements:** Take only as much width as needed, do not start on a new line.

Examples of Block Elements:

- `<div>`, `<p>`, `<section>`, `<article>`, `<table>`, `<form>`, `<header>`, `<footer>`

Examples of Inline Elements:

- ``, `<a>`, ``, ``, ``, `<mark>`, `<sub>`, `<sup>`

◆ 2. ID vs Class

ID [#]

- Used to uniquely identify an element.
- No two elements should have the same ID.
- One element can have only one ID.
- To select an ID in CSS: `#idName`
- **Invalid:** `id="id1 id2"` – multiple IDs not allowed
- Example: `<p id="ptag">Paragraph</p>`

Class [.]

- Used to apply styles to multiple elements.
- Multiple elements can share the same class.
- One element can have multiple classes.

- To select a class in CSS: `.className`
- **Valid:** `class="btn primary highlight"`
- Example: `<p class="ptag">Paragraph</p>`

◆ 3. Formatting Tags (Inline)

- ``: Bold text (semantic)
- ``: Italic text (semantic)
- `<mark>`: Highlighted text
- `<ins>`: Inserted/underlined text
- `<sub>`: Subscript (e.g., H_2O)
- `<sup>`: Superscript (e.g., x^2)

◆ 4. Deprecated Tags (Avoid in Modern HTML)

- `<strike>`: Strikethrough text → use ``
- `<center>`: Centering text → use CSS `text-align: center`
- ``: Bold → prefer ``
- `<i>`: Italics → prefer ``

◆ 5. Tooltip (title attribute)

- Use `title` to show tooltip on hover
- Example: `<p title="I am tooltip">Hover me</p>`

◆ 6. Practical Examples

Div (Block):

```
<div>I am div tag</div>
```

→ Covers full width, starts on a new line, acts as a container.

Span (Inline):

```
<span>I am span tag</span>
```

→ Takes only required space, stays in line.

◆ 7. Block-level Elements List

- `<div>`, `<p>`, `<h1>`-`<h6>`, ``, ``, `<table>`, `<form>`, `<header>`, `<footer>`, `<section>`

◆ 8. Inline-level Elements List

- ``, `<a>`, ``, ``, `<mark>`, `<sub>`, `<sup>`, ``, `<input>`, `<label>`

◆ 9. Miscellaneous Elements

Headings:

`<h1>` to `<h6>` - Headings with decreasing size

Paragraph & Pre:

`<p>` - Regular paragraph

`<pre>` - Preserves whitespace and formatting
