

Day 2: Text and Lists

Welcome to Day 2! Now that we have the basic structure of an HTML document, it's time to learn how to add and organize the most common type of content: **text**. We'll cover how to create headings, paragraphs, and lists.

More Than Just Plain Text

On Day 1, we used `<h1>` for a heading and `<p>` for a paragraph. These are two of the most fundamental text elements.

- `<h1>`: This defines the **most important heading**. Think of it as the main title of a section or the entire page.
- `<p>`: This defines a **paragraph**. Browsers automatically add a bit of space (a margin) before and after each paragraph.

There's a whole family of heading elements: `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, and `<h6>`.

The number indicates the level of importance. You should use them in order to create a logical structure. For example, a blog post might have an `<h1>` for the main title, `<h2>`s for major sections, and `<h3>`s for sub-sections.

```
HTML

<h1>Main Title of the Page</h1>
<p>This is an introductory paragraph.</p>
<h2>Section 1: The Beginning</h2>
<p>Some text about the first section.</p>
<h2>Section 2: The Middle</h2>
<p>Some text about the second section.</p>
<h3>Subsection 2.1</h3>
<p>A more detailed point.</p>
```

Important: Don't use heading tags just to make text big or bold. Their main purpose is to give your page a **semantic structure**, which is important for search engines and accessibility.

Emphasizing Text: Bold and Italics

Sometimes you need to make a word or phrase stand out.

- ``: This tag is used to indicate that the text has **strong importance, seriousness, or urgency**. Browsers will typically display this as **bold** text.
- ``: This tag is used to **emphasize** text. Browsers will typically display this as *italicized* text.

Example:

```
<p><strong>Warning:</strong> Do not touch the hot surface. It is <em>very</em> important to be careful.</p>
```

Organizing Information: Lists

Lists are perfect for grouping related items, like ingredients in a recipe or steps in a set of instructions. There are two main types of lists in HTML.

1. Unordered Lists ``

Use an unordered list when the **order of the items does not matter**. This is your standard bulleted list.

- The entire list is wrapped in `` (unordered list) tags.

- Each item in the list is wrapped in (list item) tags.

Example:

```
HTML
<ul>
  <li>Milk</li>
  <li>Bread</li>
  <li>Cheese</li>
</ul>
```

This will be displayed as:

- Milk
- Bread
- Cheese

2. Ordered Lists

Use an ordered list when the **sequence of the items is important**, like in a recipe or a top-10 list. This creates a numbered list.

- The entire list is wrapped in (ordered list) tags.
- Each item is still wrapped in tags. The browser will automatically handle the numbering for you.

Example:

```
HTML
<ol>
  <li>Preheat the oven.</li>
  <li>Mix the ingredients.</li>
  <li>Bake for 30 minutes.</li>
</ol>
```

This will be displayed as:

1. Preheat the oven.
2. Mix the ingredients.
3. Bake for 30 minutes.