

# HTML

HTML stands for "HyperText Markup Language." It is the standard markup language for documents designed to be displayed in a web browser. Web browsers can read HTML files and render them into visible or audible web pages. HTML describes the structure of a web page semantically and, originally, included cues for the appearance of the document.

## Here are some key points about HTML:

**1. Elements and Tags:** HTML documents are made up of elements, which are defined using tags. An HTML tag typically consists of a left angle bracket (`<`), a tag name, and a right angle bracket (`>`). Most elements have both an opening tag and a closing tag, with content in between. For example: `

This is a paragraph.

`

**2. Attributes:** Elements can also have attributes, which are used to set properties for the element. For example: `[This is a link](https://www.example.com)` where `href` is an attribute that specifies the link's destination.

**3. Document Structure:** An HTML document typically starts with a `



` declaration, followed by an `` element. Inside this element, there are usually two main sections: `` (where meta information, styles, and scripts can be included) and `` (which contains the content of the page).

**4. Version History:** HTML has evolved over time. The current standard (as of my last update in 2021) is HTML5, which added many features, such as support for native video and audio, canvas for drawing, and better semantics.

**5. Integration with CSS and JavaScript:** While HTML provides the structure for a webpage, Cascading Style Sheets (CSS) define its appearance, and JavaScript enables interactivity. Together, these three technologies are foundational to modern web design and development.

**6. Semantics:** Over time, HTML has grown to include more semantic elements, which convey meaning about the type of content they contain. Examples include ``, ``, `

`, and ``. Using these appropriately can help with accessibility and search engine optimization.

## Here's a simple HTML document as an example:

```
<!DOCTYPE html>

<head>
  <title>My Page</title>
</head>

<body>
  <p>Content goes here.</p>
</body>
</html>
```