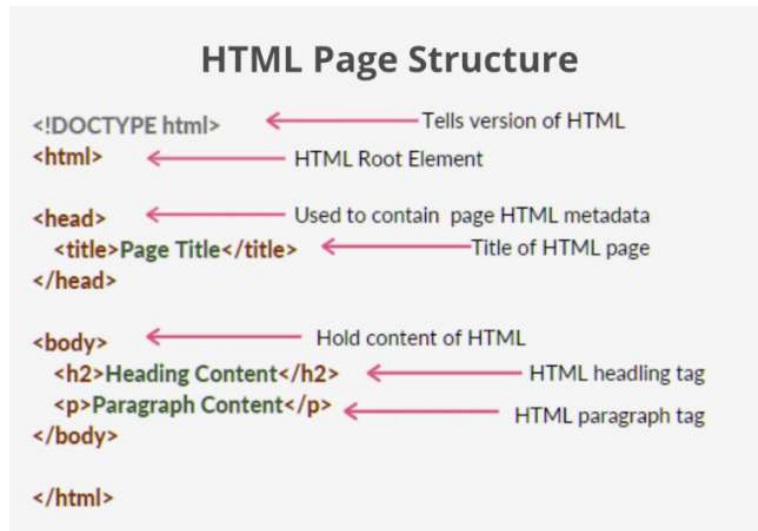


# HTML

- HTML stands for **Hyper Text Markup Language**.
- It is the **standard language** used to **creating web pages**.

## Basic HTML Page Structure



## Difference between a tag and an element in HTML

### ◆ Tag

- A tag is the code enclosed in angle brackets.
- Tags define the start or end of an HTML element.
- There are opening tags and closing tags.

Examples:

- Opening tag: `<p>`
- Closing tag: `</p>`

### ◆ Element

- An element includes:
  - the opening tag
  - the content
  - and the closing tag

Examples:

- `<p>This is a paragraph.</p>`

## 🌟 Empty Tag in HTML

An empty tag (also called a self-closing tag) is a tag that:

- Does not have any content
- Does not need a closing tag

✅ Examples of Empty Tags:

Tag	Purpose
 	Line break
<hr>	Horizontal line (divider)
<img>	Embeds an image
<input>	Input field in a form
<meta>	Metadata information
<link>	Links external resources like CSS

## 🌟 Semantic Tags in HTML

Semantic tags are HTML5 tags that clearly describe their meaning in both the code and the browser. They make the structure of web pages more readable.

✅ Examples of Semantic Tags:

Tag	Purpose
<header>	Represents introductory content or navigational links.
<nav>	Defines a set of navigation links.
<section>	Represents a thematic grouping of content, typically with a heading.
<strong>	Indicates that its contents have strong importance, typically displayed in bold.
<footer>	Represents the footer of a section or document, often containing metadata or contact information.

## ✔ HTML Text Formatting Elements