

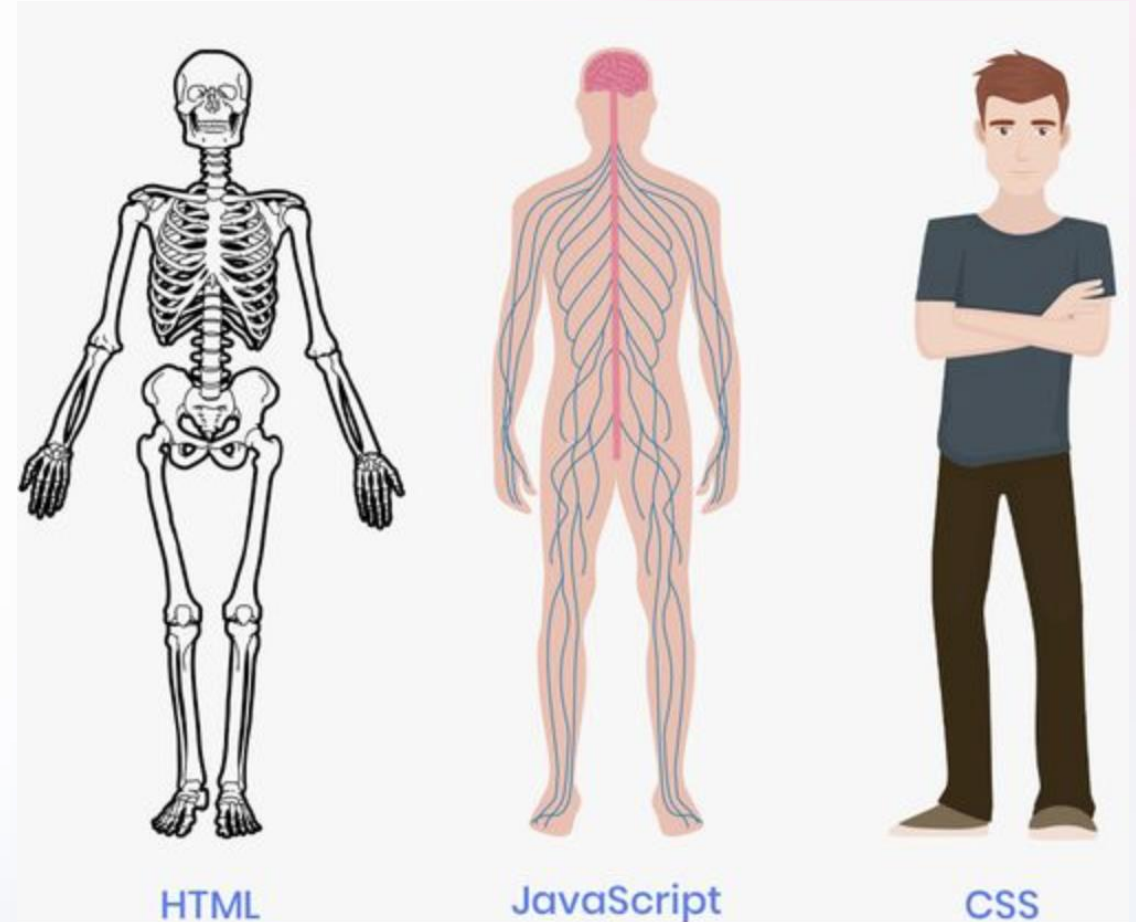
# INTRODUCTION TO HTML

Tags, Attributes



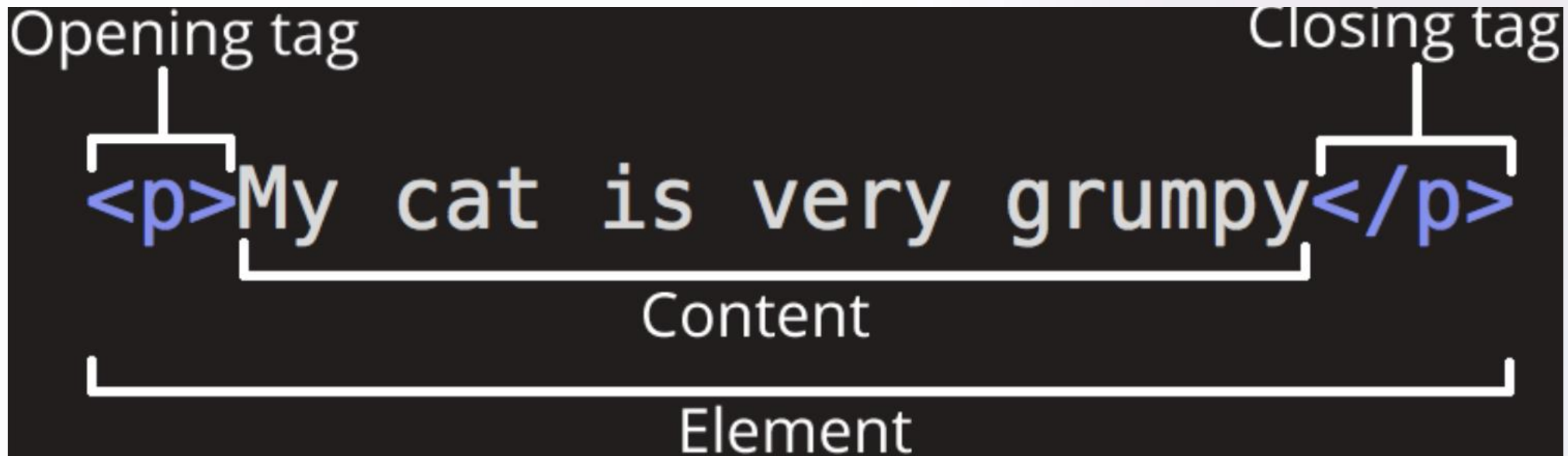
# What is HTML ?

- HTML (HyperText Markup Language) is the code that is used to structure a web page and its content.

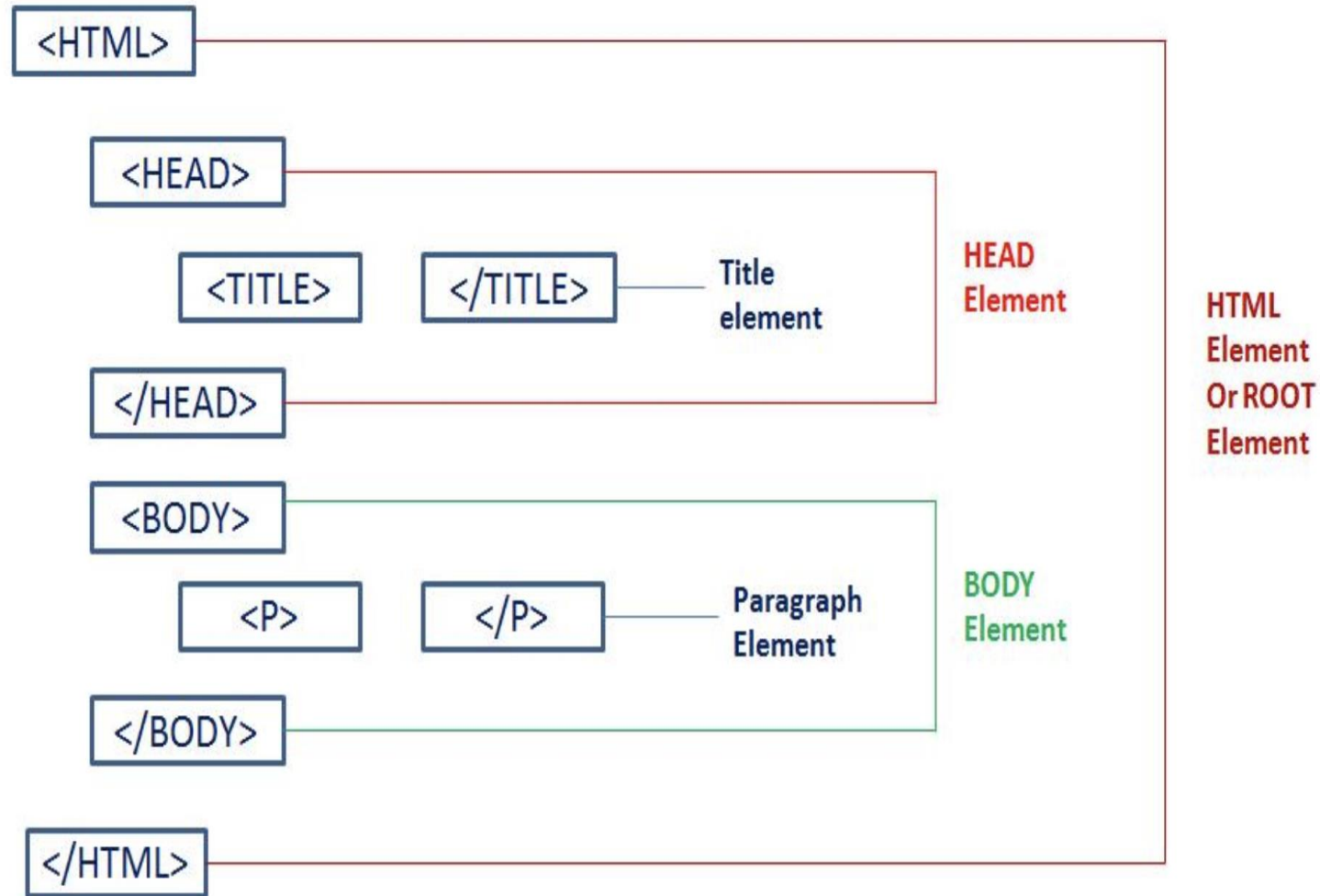


# HTML Tag

An HTML tag is **a piece of markup language used to indicate the beginning and end of an HTML element in an HTML document**. As part of an HTML element, HTML tags help web browsers convert HTML documents into web pages.



# HTML Structure



- The **<html>** tag represents the root of an HTML document.
- The **<head>** element is a container for metadata (data about data) and is placed between the **<html>** tag and the **<body>** tag.
- The **<title>** tag defines the title of the document. The title must be text-only, and it is shown in the browser's title bar or in the page's tab.
- The **<body>** tag defines the document's body.

# Popular Tags

`<h1> - <h6>`

These are a group of heading tags used to create heading in a webpage

`<p>`

It defines the paragraph in a webpage.

`<span>`

It defines the span in a webpage.

`<b>`

It is used to define bold text.

`<i>`

It makes text italic and is used to define technical terms, idiomatic text.

`<small>`

Used to define smaller text like copyright, comments, etc.

`<div>`

It defines a group of elements within the HTML document.

`<footer>`

It defines footer of the webpage or a section

`<br>`

Line break

`<hr>`

Horizontal Line

# HTML Block and Inline Elements

*Every HTML element has a default display value, depending on what type of element it is.  
There are two display values: block and inline*

## Block-level

This is a paragraph.

This is another paragraph.

Paragraphs are block-level elements, so they stack vertically.

## Inline

Links are

inline elements,

so they fit side-by-side.

A block-level element always starts on a new line and the browsers automatically add some space (a margin) before and after the element.

The `<p>` element is a block-level element.

The `<div>` element is a block-level element.

An inline element does not start on a new line.

`<b>`, `<i>`, `<span>`

# Image, Link, Attributes

*\*\*HTML attributes provide additional information about HTML elements.*

```
<p title="HTML Introduction">sourcemind</p>
```

```
<a href="https://sourcemind.com/">sourcemind</a>
```

```

```

```

```



# Input, Button

The `<input>` tag specifies an input field where the user can enter data.

The `<input>` element can be displayed in several ways, depending on the type attribute.

```
<input type="text">  
<input type="password">  
<input type="date">
```

Three input fields are shown side-by-side. The first is a standard text input field. The second is a password input field, represented by a rectangle with a dashed border. The third is a date input field, showing the placeholder text 'dd.mm.yyyy' followed by a calendar icon.

The `<button>` tag defines a clickable button.

Inside a element you can put text (and tags like `<i>`, `<b>`, `<strong>`, `<br>`, `<img>`, etc.).

That is not possible with a button created with the `<input>` element!

```
<button type="button">Click Me!</button>
```

A rectangular button with a thin border and the text 'Click Me!' centered inside.



# Iframe

The **<iframe>** tag specifies an inline frame.

An inline frame is used to embed another document within the current HTML document.

```
<iframe src="https://sourcemind.com" title="sourcemind"></iframe>
```

# Meta Tag

*The **<meta>** tag defines metadata about an HTML document.  
Metadata is data (information) about html page content.*

- `<meta name="author" content="John Doe">` - **Define the author of a page**
- `<meta name='language' content='ES'>` - Define the language of page
- `<meta http-equiv="refresh" content="30">` - **Refresh document every 30 seconds:**