

# HTML Basics

## 1. Structure of an HTML Document

An HTML document consists of:

```
<!DOCTYPE html>

<html>

<head>

  <title>My First Web Page</title>

</head>

<body>

  <h1>Welcome to HTML</h1>

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

</body>

</html>
```

## 2. HTML Tags and Elements

- HTML Tags: Tags define elements and are enclosed in angle brackets (< >).
- HTML Elements: Elements consist of a start tag, content, and an end tag.

Example:

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

## 3. Common HTML Elements

- Headings (<h1> to <h6>): Define different levels of headings.
- Paragraph (<p>): Represents a block of text.
- Line Break (<br>): Inserts a line break.
- Horizontal Rule (<hr>): Creates a horizontal separator.

Example:

```
<h1>Main Heading</h1>
```

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

```
<hr>
```

#### 4. HTML Attributes for <h1>, <p>, <br>, and <hr>

<h1> Attributes:

- style: Defines CSS styling.
- id: Specifies a unique identifier.

Example:

```
<h1 style="color:blue;" id="main-title">Welcome to HTML</h1>
```

<p> Attributes:

- title: Shows a tooltip on hover.
- align (deprecated): Aligns text (left, center, right).

Example:

```
<p title="This is a tooltip">Hover over this text</p>
```

<br> Attributes:

- <br> is a self-closing tag and has no attributes.

Example:

```
<p>First Line<br>Second Line</p>
```

<hr> Attributes:

- width: Specifies the width of the line.
- size: Defines the thickness.

- color (deprecated): Defines the color.

Example:

```
<hr width="50%" size="5">
```