

## HTML Structures and Tags

### HTML :

HTML (HyperText Markup Language) is a standard markup language to design the structure of a webpage. HTML is the combination of HyperText and Markup Language. HyperText defines the internal links between webpages, and Markup language defines the layout and presentation of text and media.

### HTML Structure :

The basic structure of an HTML document contains the few mandatory tags, that must be used to create a webpage. This structure must be followed to create any type of HTML document.

Here is the basic structure of an HTML document –

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Page title</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Webpage's Heading</h1>
```

```
  <p>Content (Your first paragraph).</p>
```

```
</body>
```

```
</html>
```

## HTML Tags :

**HTML tags** are the fundamental elements of HTML used for defining the structure of the document. These are letters or words enclosed by angle brackets (< and >).

HTML is mainly used for how to display the content, including formatting style, and images.

There are generally two types of tags are there in HTML.

They are 1. Paired Tags

2. Empty Tags

Now we discuss about these two tags

**1. Paired Tags :-** These tags come in pairs i.e. they have both opening(<>) and closed (</>) tags.

**2. Empty Tags :-** These tags are self closing tags. And do not require a closing tag.

- **<!DOCTYPE html> :-**

This statement is used for the browser using the which version of HTML. And the latest version of html is html-5.

- **<HEAD> :-**

Specifies information about the document. Html <head> is a tag specifies as a metadata container.

- **<TITLE> :-**

Specifies the document title. <title> is placed within the <head> specifies the concise and descriptive label that appears in the browser's title bar or tab when the webpage is opened.

- **<BODY> :-**

Specifies the body element. The HTML <body> tag serves as the container for all visible content within a webpage.

- **Heading Tags :-**

Heading tags are used to define headings of documents. You can use different sizes for your headings. HTML also has six levels of headings, which use the elements <h1>, <h2>, <h3>, <h4>, <h5>, and <h6>. While displaying any heading, the browser adds one line before and one line after that heading.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Heading Example</title>
```

```
</head>
```

```
<body>
```

```
  <h1>This is heading 1</h1>
```

```
  <h2>This is heading 2</h2>
```

```
  <h3>This is heading 3</h3>
```

```
  <h4>This is heading 4</h4>
```

```
  <h5>This is heading 5</h5>
```

```
  <h6>This is heading 6</h6>
```

```
</body>
```

```
</html>
```

- **PARAGRAPH TAGS:-** Paragraph tags are used to write the content of the document in paragraphs. These paragraph tags are starts with <p> and ends with </p> tags.

```
<!DOCTYPE html>
<html>
<body>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
</body>
</html>
```

- **LINE BREAK TAGS:-** Line break tags are generally used for break the text in the line where you want in the document. And the line break tag is starts with <br> and end with </br> tags.

```
<!DOCTYPE html>
<html>
<body>
<h1>The br element</h1>
<p>To force<br> line breaks<br> in a text,<br> use the br<br>
element.</p>
</body>
</html>
```

- **BOLD TAG:-** This bold tag is used in html for define the content of the document in bold format. And bold tag starts with <b> and ends with </b> tags.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>The b element</h1>
```

```
<p>This is normal text - <b>and this is bold text</b>.</p>
```

```
</body>
```

```
</html>
```

- **ITALIC TAG:-** this italic tag is used in html for the purpose of defining the content of document in italic format. And italic tag starts with <i> and ends with </i> tags.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>The i element</h1>
```

```
<p><i>Lorem ipsum</i> is the most popular filler text in history.</p>
```

```
<p>The <i>RMS Titanic</i>, a luxury steamship, sank on April 15, 1912 after striking an iceberg.</p>
```

```
</body>
```

```
</html>
```