



# Agenda

- HTML Introduction
- Syntax
- HTML Template
- Tags
- Elements
- KBA website



# HTML

- HTML stands for **H**yper**T**ext **M**arkup **L**anguage
- Created by Tim Berners-Lee
- Used to create web pages
- Latest version is **HTML5**
- Maintained by the Web Hypertext Application Technology Working Group (WHATWG)
- HTML is not a programming language, it is a **markup** language



# HTML

- Tools required - HTML editor and Web browser
- File extension - html or htm
- Not case sensitive



# Syntax

- A set of rules that must be followed when using a programming language
- It defines how commands and instructions are written in a way that the computer can understand and execute
- Programming syntax includes various elements, such as:
  - Keywords
  - Operators
  - Punctuation and Delimiters
  - Identifiers
  - Comments



# HTML Template

```
<!DOCTYPE html>  
<html>  
  <head>  
    ...  
  </head>  
  <body>  
    ...  
  </body>  
</html>
```



# HTML Basics

- **Tags:** Used to specify special regions to the web browser. A tag is a piece of text inside angle brackets (<>) eg:<html>, <p>, <br>
- **Element:** A complete tag, having an opening <tag> and a closing <tag>.
- **Attribute:** Used to modify the value of the HTML element. Elements will often have multiple attributes.



# Tags

- Tags are embedded commands within a document that communicate to the browser
- `<opening tag> Content </closing tag>`
- Examples of Tags:
  - `<p>Paragraph Tag</p>`
  - `<h2>Heading Tag</h2>`
  - `<b>Bold Tag</b>` or `<strong> Bold Tag </strong>`





# Tags

- **Paired Tags:** A tag is said to be a paired tag if text is placed between opening tag and closing tag.

eg: `<p>Paragraph Tag</p>`

- **Unpaired Tags:** An unpaired tag does not have a closing tag. Also known as Singular or Stand-Alone or Self-closing tags.

eg: `<br>`, `<hr>` etc.



# Element

- An element consists of three basic parts: an opening tag, the element's content, and finally, a closing tag.

`<p>` - opening paragraph tag

Element Content - paragraph content

`</p>` - closing tag

- Every webpage contains three basic elements. The html, head and body elements.



# HTML structure

- The essential tags that are required to create a HTML document are:

<HTML>.....</HTML>

<HEAD>.....</HEAD>

<BODY>.....</BODY>



# Tags

- Title(<title>)  
`<title>Page Title</title>`
- Heading(h1..h6)  
`<h1>My First Heading</h1>`  
`<h2>My Second Heading</h2>`  
`<h6>My Third Heading</h6>`
- Paragraph(<p>)  
`<p>My first paragraph.</p>`



# Thank You

