# TRAINING TR-102 REPORT DAY 2

**Overview:**

The second day of training introduced us to the basic concepts of HTML.

**INTRODUCTION TO HTML**

**HTML (Hyper Text Markup Language)** is the standard markup language used to create and structure web pages. It defines the structure and content of a web page by using a set of elements (tags) to describe the different parts of a document. Here's an overview of HTML's basic concepts:

**1.** HTML Document Structure*:*

- An HTML document is structured using tags enclosed in angle brackets (<>).

- Every HTML document begins with a <!DOCTYPE html> declaration, which specifies the version of HTML being used (HTML5 in this case).

- The document is enclosed within <html> tags, with two main sections:

    o <head>: Contains meta-information about the document (e.g., title, metadata, links to CSS or JavaScript files).

    o <body>: Contains the content of the web page (e.g., text, images, links).

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**2.HTML Elements:**

- HTML elements are the building blocks of a web page and consist of:

  - **Tags**: Enclosed in angle brackets, indicating the start and end of an element (e.g., <p> for paragraphs).

  - **Attributes**: Provide additional information about an element (e.g., href attribute in <a> tags specifies the URL for hyperlinks).

  - **Content**: Text or other elements nested within the opening and closing tags of an element.

**3. Commonly Used HTML Tags:**

- **<p>**: Defines a paragraph.

- **<h1>, <h2>, ..., <h6>**: Heading tags for defining headings of different levels.

- **<a>**: Defines a hyperlink with the href attribute pointing to the URL of the link.

- **<img>**: Embeds an image in the document with attributes like src (source) and alt (alternative text).

- **<ul>, <ol>, <li>**: Used for unordered lists, ordered lists, and list items, respectively.

**Conclusion:**

HTML forms the foundation of web development, providing a structure that browsers interpret to display content. Understanding these basic concepts allows developers to create well-structured, accessible, and semantically meaningful web pages. As you continue learning, you'll explore how CSS and JavaScript complement HTML to enhance design and functionality on the web.

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