TRAINING DAY1 REPORT:

Topic: Introduction to Semantic Web and HTML Basics

Overview: Today marked the beginning of our training on the Semantic Web. The session was primarily focused on understanding the basics of semantics in web development and an introduction to HTML.

Key Learnings:

1. **Basics of Semantic Web:**
   - Introduction to the concept of the Semantic Web.
   - Understanding how the Semantic Web aims to enhance the web by making data machine-readable.
   - Overview of key Semantic Web technologies such as RDF (Resource Description Framework), OWL (Web Ontology Language), and SPARQL (a query language for databases).
2. **HTML Basics:**
   - An introduction to HTML (HyperText Markup Language) as the foundational language for web development.
   - Understanding the structure of an HTML document, including the doctype declaration, head, and body sections.
3. **HTML Tags:**
   - **<div>**: Used as a container for HTML elements to style them with CSS or to perform certain tasks with JavaScript.
   - **<img>**: Used to embed images in an HTML page. We learned how to use the src attribute to specify the path to the image and the alt attribute for alternative text.
   - **<form>**: Introduced to the form element, which is used to collect user input. Discussed various attributes like action, method, and how to structure a form.
   - **<input>**: Various input types like text, password, radio, checkbox, and submit.
   - **<label>**: Used to define labels for input elements, enhancing accessibility.
   - **<table>**: Introduction to creating tables using <table>, <tr> (table row), <td> (table data), and <th> (table header) tags.
   - **<fieldset> and <legend>**: Used to group related elements in a form, with <legend> providing a caption for the group.

Practical Exercise:

- Created a simple HTML page that includes various elements discussed today.
- Built a basic form with different types of input fields, properly using <fieldset> and <legend> to group related fields.
- Practiced adding images to the page using the <img> tag.
- Designed a simple table to display data.

Reflections: The first day of training was informative and provided a solid foundation in HTML, which is essential for understanding the Semantic Web. The hands-on exercises helped reinforce the theoretical concepts learned during the lecture.

Next Steps: Looking forward to diving deeper into the Semantic Web and exploring more advanced HTML elements and attributes. Tomorrow's session will focus on more complex HTML structures and linking CSS.