# 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.
- : Introduction to creating tables using , 
   (table row), (table data), and (table header) tags.
- <fieldset> and <legend>: Used to group related elements in a form, with <legend> providing a caption for the group.

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### **Practical Exercise:**

- Created a simple HTML page that includes various elements discussed
- 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.

By: Natasha Pal CRN: 2215118 URN: 2203508