**Research and write a brief summary of HTML's purpose and significance in web development.**

HTML (Hypertext markup language) is a markup language used to define the structure and organize content in a webpage.

It provides for tags to provide meaning so that the browsers know what and how to display the content correctly. For example <h1> to <h6> for headings, <p> for paragraphs and <ul> and <ol> for lists.

HTML allows you to create hyperlinks (anchors) that connect different web pages or sections within a page. Navigation menus, buttons, and links are essential for user interaction.

HTML forms (created with <form> elements) enable user input, such as submitting data, logging in, or making selections. Form controls (input fields, checkboxes, and radio buttons) collect user information.

HTML works in hand with CSS (Cascading Style Sheets) to style and format content. JavaScript interacts with HTML elements to add interactivity, animations, and dynamic behavior.

HTML plays a role in creating responsive layouts that adapt to different screen sizes (desktop, tablet, mobile). Elements like <Meta> tags and media queries help optimize content for various devices.

HTML5 contains modern features to handle a variety of media types such as video, audio and canvas (e.g., <video>, <canvas>, <audio>).