

1. Find the details below:

- a. What is differences between <head>, <h1> and <header> tags?
- b. How to validate the textbox valid email id in HTML4? How to perform email validation in JavaScript?
- c. What are cookies in web applications?

a. The <head> tag is to provide metadata about the HTML document, such as the title, links to external resources like stylesheets and scripts.

The <h1> tag is a heading element that defines the highest level of heading in html, typically used for main heading of a section or a page.

The <header> tag is a semantic HTML5 element that represents container for introductory content or navigation links, often placed at the top of the webpage. It can contain headings, logos, navigation menus and other relevant information. It's important for structuring the layout and improving accessibility.

b. To perform email validation in JavaScript, we can use a regular expression to check if input follows a valid format.

- Define a regular expression for validating email address.
- Check if the input value matches with regular expression.
- If it doesn't match, send an alert "Invalid email address".
- If it matches, send an alert "Valid email address."

c. Cookies in web applications are small text files stored on a user's device by web servers. They are used to track and store information about the user's interactions and preferences on a website. Cookies can be used for various purposes, such as remembering login credentials, personalizing content, analyzing user behavior and enabling targeted advertising.

They play a crucial role in enhancing the user experience and facilitating the functionality of modern web applications.

2. How to handle multiple submit buttons in HTML Forms?

- Create a form by using method 'post' and value is a default URL, that you want to send the form data.
- Based on your requirement create input fields inside.
- Create a button with submit, which triggers the default action attribute of the form and send input data to that URL.
- Create another button with submit, and add formaction attribute to that button and give value of the secondary URL that you want to send data when this button is clicked.
- The formaction attribute overrides the action attribute of the form and send data to desired location.

3.Can we submit the input fields that are submitted outside the form tag?

In standard HTML behavior, input fields outside of a <form> tag will not be included in the form submission. When a form is submitted, only the form elements (input, select, textarea, etc.) inside the form are sent to the server. If you want to include input fields outside the form in your submission, you'll need to use JavaScript to gather the data from these fields and send it to the server via an asynchronous request (e.g., AJAX) or by modifying the form's behavior programmatically.

4.What is datalist tag in HTML5?

The <datalist> tag in HTML5 is used to provide an autocomplete feature for an input element.

It's used in conjunction with the <input> element to offer a pre-defined list of options to the user as they type in the associated input field.

This helps users select from a list of predefined options, enhancing the user experience and reducing potential errors.