1.(a) Why do we use value attribute <option> tag?

- The value attribute specifies the value to be sent to a server when a form is submitted.
- The content between the opening <option> and closing </option> tags is what the browsers will display in a drop-down list.
- However, the value of the 'value' attribute is what will be sent to the server when a form is submitted.
- If the value attribute is not specified, the content will be passed as a value instead.

(b) What is <input type = "hidden" /> ?

- The <input type="hidden"> defines a hidden input field.
- A hidden field lets web developers include data that cannot be seen or modified by users when a form is submitted.
- A hidden field often stores what database record that needs to be updated when the form is submitted.

Why do we use ?

(i) **Passing Data to the Server:** Hidden inputs are often used to send additional data to the server when a user submits a form. This data can be used for various purposes, such as identifying the form, tracking user behaviour, or passing values that need to be processed on the server.

(ii) **Security:** You can use hidden inputs to store sensitive information that you do not want to display to the user, like authentication tokens or session identifiers. While this is not a foolproof security measure, it can help obscure sensitive data.

(iii) **Preserving Data:** Hidden inputs can also be used to maintain the state of a page or application. For example, they can store information that helps remember a user's preferences or actions across page reloads or navigations.

(iv) **Data Transfer:** When integrating with other systems or APIs, hidden inputs can be used to transfer data between a client-side web page and the server.

(c) Difference between <input type="submit" /> and <button> </button> ?

<input type="submit" />	<button> </button>
• This will submit the form they are in when the user clicks on them, unless you specify otherwise with JavaScript.	• This will not submit a form -they do not do anything by default. They are generally used in conjunction with JavaScript as part of an AJAX application.

(d) How to select multiple items in drop-down list ?

- With the multiple attribute, you can allow the user to select multiple items from the drop-down.
- This makes 4 items visible by default. To select multiple items, the user has to hold down the shift or ctrl key, then select with the mouse.