ASSIGNMENT-1

a. Why do we use value attribute of <option> tag?

- The value attribute in the <option> tag is used to specify the value associated with each option in a dropdown list. This value is what gets sent to the server when the user selects an option from the list.
- It is particularly useful when working with HTML forms. The value attribute allows you to associate a meaningful value with an option that may differ from the visible label displayed to the user.
- This can be helpful for processing data on the server or performing specific actions based on the user's selection.
- EXAMPLE:
  ```
  <select name="graduated">
     <option value="yes">yes</option>
     <option value="no">no</option>
  </select>
  ```
  In this example, when a user selects an option, the value associated with the selected option (e.g., "yes" or "no") will be sent to the server when the form is submitted.

b. What is <input type="hidden" />? Why do we use?

- <input type="hidden"> is an HTML form input element with a type of "hidden." It is used to store data on the client side (in the web browser) that is not meant to be seen or modified by the user. This data is typically used for various purposes, including passing values to the server, such as session tokens, tracking information, or data that needs to be preserved across form submissions.
- EXAMPLE:
  ```
  <input type="hidden" name="session token" value="abc123">
  ```

In this example, a hidden input field stores a session token value, which can be used by the server to authenticate the user without displaying it on the web page.

c. Diff. between <input type="submit" />and<button></button>?

Both <input type="submit"> and <button> elements can be used to create a button for submitting a form, but there are some differences:

<input type="submit">:

- A self-contained input element specifically designed for form submission.
- The text on the button is specified using the value attribute.
- Limited customization options for styling and appearance.

<button>:

- A more flexible element that can contain other HTML elements, including text and even images.
- The button label is specified within the <button> element's opening and closing tags.
- Offers more styling and customization options through CSS.

D. How to select multiple items in drop-down list?
   To allow users to select multiple items in a dropdown list, you can use the <select> element with the multiple attributes.

example:

```
<select name="fruits" multiple> <option
value="apple">Apple</option> <option
value="banana">Banana</option> <option
value="cherry">Cherry</option> <option
value="orange">Orange</option> </select>
```

In this example, the multiple attributes allow users to select multiple items by holding down the Ctrl key (or Command key on Mac) while clicking on the options. The selected items will be sent as an array to the server when the form is submitted.