**Practical No : 03**

**Date:** 15/07/2024

**Problem Statement:**

- Use of <frame> tag and <noframes> tag

- Creating a navigation frame

- Use of <iframe> tag

- HTML forms: <input> tag with attribute type=”text”, “password”, “checkbox”, “radio”, “file”, “submit”, “image”, “button”, “reset”, “hidden”

- Use of tag <textarea> with attribute rows= …, cols=….., name=……

- Drop down menu with <select> tag and <option> tag with attributes value=….

- Use of tag <fieldset> and <legend>

**HTML Tags:**

1. **Frame (<frame>):**

**Syntax:** <frame attributes="..."> ... </frame>

**Attributes:**

* src: Specifies the URL of the document to display in the frame.
* name: Specifies the name of the frame.
* scrolling: Specifies whether or not to display scrollbars in the frame.
* frameborder: Specifies whether or not to display a border around the frame.
* marginwidth: Specifies the width of the space between the frame's content and its left and right edges.
* marginheight: Specifies the height of the space between the frame's content and its top and bottom edges.
* noresize: Prevents the user from resizing the frame.

**Description:** The <frame> tag defines a single frame within a <frameset>. Frames are used to divide the browser window into multiple sections where each section can load a separate HTML document.

1. **Inline Frame (<iframe>):**

**Syntax:** <iframe attributes="..."> ... </iframe>

**Attributes:**

* src: Specifies the URL of the document to embed in the iframe.
* height: Specifies the height of the iframe.
* width: Specifies the width of the iframe.
* name: Specifies a name for the iframe.
* sandbox: Enables an extra set of restrictions for the content in the iframe.’
* allow: Specifies a feature policy for the iframe.
* frameborder: Specifies whether or not to display a border around the iframe.

**Description:** The <iframe> tag creates an inline frame that embeds another HTML page within the current page. It's commonly used to embed videos, maps, or other content from external sources.

1. **Input (<input>):**

**Syntax:** <input attributes="..."> ... </input>

**Attributes:**

* type: Specifies the type of input (e.g., text, password, submit, radio, checkbox).
* name: Specifies the name of the input.
* value: Specifies the initial value of the input.
* placeholder: Provides a hint to the user of what can be entered in the field.
* required: Specifies that the input must be filled out before submitting the form.
* disabled: Specifies that the input is disabled.
* readonly: Specifies that the input is read-only.

**Description:** The <input> tag is used to create various types of input fields, such as text fields, checkboxes, and buttons, allowing users to enter data.

1. **Text Area (<textarea>):**

**Syntax:** <textarea attributes="..."> ... </textarea>

**Attributes:**

* cols: Specifies the visible width of the text area.
* rows: Specifies the visible number of lines in the text area.
* name: Specifies the name of the text area.
* placeholder: Provides a hint to the user of what can be entered in the field.
* required: Specifies that the text area must be filled out before submitting the form.
* readonly: Specifies that the text area is read-only.
* maxlength: Specifies the maximum number of characters allowed in the text area.

**Description:** The <textarea> tag defines a multi-line text input control. It allows users to enter more extensive text information, such as comments or feedback.

1. **Select (<select>):**

**Syntax:** <select attributes="..."> ... </select>

**Attributes:**

* name: Specifies the name of the drop-down list.
* multiple: Specifies that multiple options can be selected.
* size: Specifies the number of visible options in the drop-down list.
* required: Specifies that the drop-down list must be filled out before submitting the form.
* disabled: Specifies that the drop-down list is disabled.

**Description:** The <select> tag is used to create a drop-down list. It contains <option> elements that define the available choices.

1. **Option (<option>):**

**Syntax:** <option attributes="..."> ... </option>

**Attributes:**

* value: Specifies the value to be sent to the server when the form is submitted.
* selected: Specifies that the option should be pre-selected when the page loads.
* disabled: Specifies that the option is disabled.

**Description:** The <option> tag defines an option in a drop-down list created by the <select> element. Each <option> represents a single choice that can be selected by the user.

1. **Fieldset (<fieldset>):**

**Syntax:** <fieldset attributes="..."> ... </fieldset>

**Attributes:**

* disabled: Specifies that all form controls within the fieldset are disabled.
* form: Specifies one or more forms the <fieldset> belongs to.
* name: Specifies a name for the fieldset.

**Description:** The <fieldset> tag is used to group related elements in a form. It draws a box around the related form elements, making it easier to understand the grouping.

1. **<legend>**

**Syntax: <legend attributes="..."> ... </legend>**

**Attributes:**

* align: Specifies the alignment of the legend.

**Description:** The <legend> tag defines a caption for the <fieldset> element. It provides a title or explanatory text for the grouped elements, enhancing the accessibility and usability of the form.

**Code:**

<html>

<head>

<title>HTML Tags Example</title>

</head>

<body>

<frameset cols="20%, 80%">

<frame src="navigation.html" name="navigation">

<frame src="main.html" name="main">

<noframes>

<body>

<p>This page requires a browser that supports frames.</p>

</body>

</noframes>

</frameset>

<iframe src="https://www.example.com" width="100%" height="300"></iframe>

<form action="submit.php" method="post" enctype="multipart/form-data">

<h4>HTML Forms</h4>

<label for="username">Username:</label>

<input type="text" id="username" name="username" required><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br>

<input type="checkbox" id="subscribe" name="subscribe" checked>

<label for="subscribe">Subscribe to newsletter</label><br>

<input type="radio" id="male" name="gender" value="male" checked>

<label for="male">Male</label>

<input type="radio" id="female" name="gender" value="female">

<label for="female">Female</label><br>

<input type="file" id="file" name="file"><br>

<input type="submit" value="Submit">

<input type="reset" value="Reset">

<input type="button" value="Button">

<input type="image" src="/assets/img/submit.png" alt="Submit">

<input type="hidden" name="hiddenInput" value="hiddenvalue">

</form>

<h4>Textarea</h4>

<textarea rows="4" cols="50" name="comment" form="usrform">

Enter your comment here...

</textarea><br>

<h4>Select Dropdown</h4>

<form action="/action\_page.php">

<label for="cars">Choose a car:</label>

<select name="cars" id="cars">

<option value="volvo">Volvo</option>

<option value="saab">Saab</option>

<option value="fiat">Fiat</option>

<option value="audi">Audi</option>

</select>

</form>

<h4>Fieldset and Legend</h4>

<fieldset>

<legend>Personal Information</legend>

<label for="fname">First name:</label><br>

<input type="text" id="fname" name="fname"><br>

<label for="lname">Last name:</label><br>

<input type="text" id="lname" name="lname"><br><br>

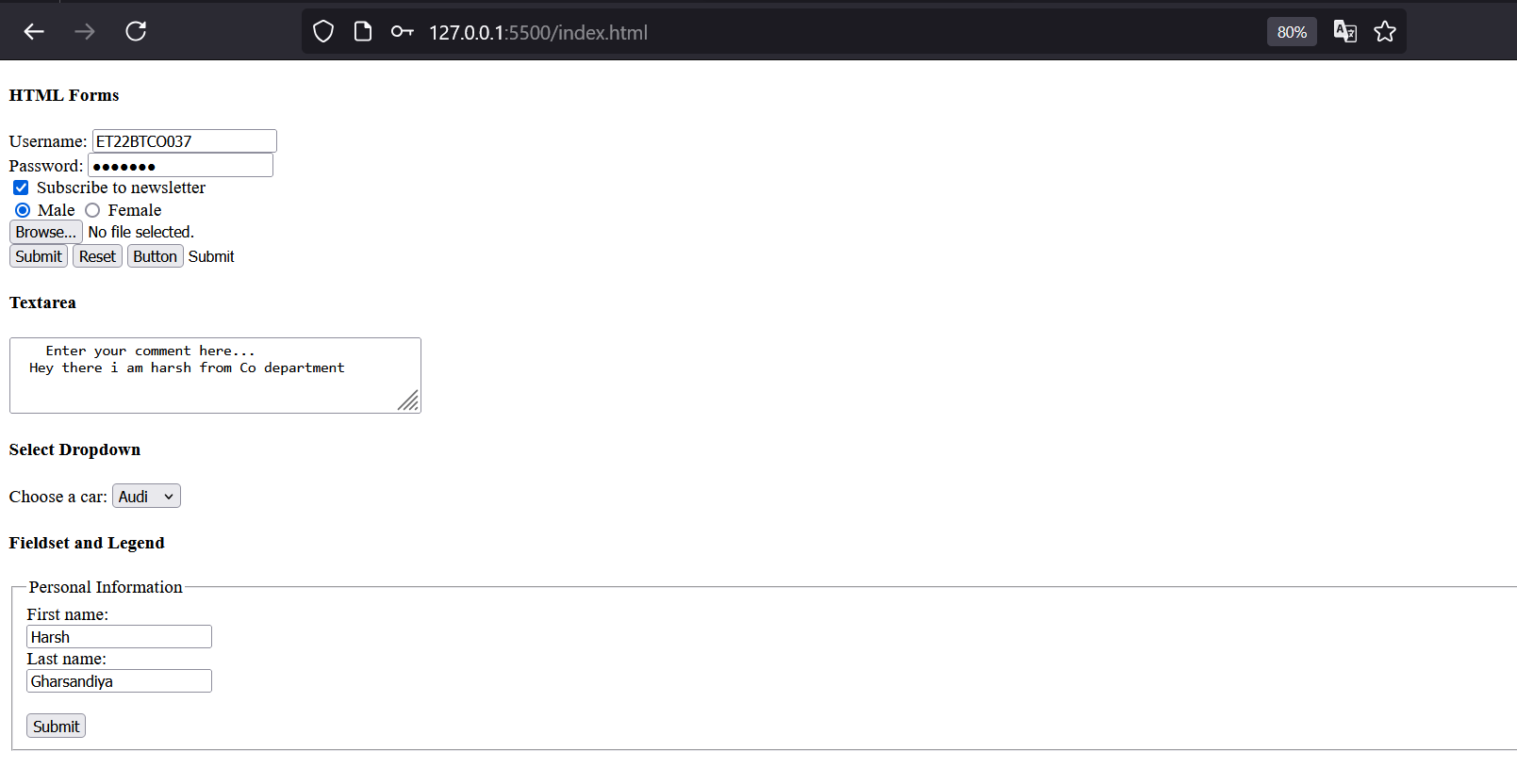
<input type="submit" value="Submit">

</fieldset>

</body>

</html>

**Output:**

****