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Lab Experiment:-13

HTML Code:-

<!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

    <title>Date Display with Locale</title>

</head>

<body>

    <h1>Date Display with Locale</h1>

    <label for="locale">Select Locale:</label>

    <select name="locale" id="locale" onchange="displayDate()">

        <option value="en-US">English (United States)</option>

        <option value="fr-FR">French (France)</option>

        <option value="es-ES">Spanish (Spain)</option>

    </select>

    <p>Today's date: <span id="dateDisplay"></span></p>

    <script>

        function displayDate() {

            var locale = document.getElementById("locale").value;

            var options = { weekday: 'long', year: 'numeric', month: 'long', day: 'numeric' };

            var formattedDate = new Date().toLocaleDateString(locale, options);

            document.getElementById("dateDisplay").innerText = formattedDate;

        }

    </script>

</body>

</html>

Explanation:

1. HTML Structure:

- Creates a simple webpage with a title "Date Display with Locale."

- Provides a dropdown menu to select different locales (English, French, Spanish).

- Includes a paragraph (`<p>`) to display the current date.

2. JavaScript Function:

- The `displayDate()` function is called whenever the selected option in the dropdown changes.

- Retrieves the selected locale value from the dropdown.

- Uses the `toLocaleDateString()` method to format the current date according to the selected locale's standards.

- Updates the text in the HTML paragraph to display the formatted date.

3. Output:

- When you select a different locale from the dropdown, the date displayed in the paragraph updates to reflect the chosen locale's date format (day of the week, month, day, year), utilizing the JavaScript `toLocaleDateString()` method.