|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Session** | **2024-25 (ODD)** | | **Course Name** | **Web Technology Lab** | |
| **Semester** | **3** | | **Course Code** | **23CT1301** | |
| **Roll No** | **53** | | **Name of Student** | **Kartik Sheshraoji Tale** | |
|  |  | |  |  |  |
| Practical Number | | 2 | | | |
| Course Outcome | | 1. Understand various internet technologies. 2. Design the web pages using HTML and CSS. 3. Implement the XML technology to store the data. 4. Develop the interactive web pages using JavaScript. | | | |
| Aim | | Create a web form by using form tags in HTML5. | | | |
| Problem Definition | | To create a **User Registration Form** using HTML5 form tags where the user can enter details. | | | |
| Theory  (100 words) | | In web development, forms play a very important role in collecting user information. HTML5 provides powerful form tags and input types to create interactive and user-friendly forms. A user registration form is commonly used to gather personal details from users before giving them access to a website or service. This form includes different elements such as text boxes, email fields, password fields, radio buttons, checkboxes, dropdown lists, file upload, and date selectors. HTML5 also provides validation features like required fields and input restrictions. With the help of submit and reset buttons, data can be submitted or cleared easily. | | | |
| Procedure and Execution  (100 Words) | | Step for Implementation :   1. **Start HTML Document** – Begin with <!DOCTYPE html> and basic <html>, <head>, <body> structure. 2. **Create Heading** – Add a title or heading for the registration form. 3. **Form Tag** – Use <form> with attributes like action, method, and enctype. 4. **Input Fields** – Add text, email, and password inputs for user details. 5. **Gender Selection** – Use radio buttons for male/female options. 6. **Date Input** – Use <input type="date"> for date of birth. 7. **Dropdown List** – Provide a <select> element for course selection. 8. **File Upload** – Use <input type="file"> for uploading profile photo. 9. **Checkbox** – Add terms and conditions checkbox. 10. **Buttons** – Include **Submit** and **Reset** buttons to complete the form. 11. **Save & Run** – Save the file with .html extension and open it in a browser to test. | | | |
| Code:  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <title>User Registration Form</title>  </head>  <body>    <h2>User Registration Form</h2>    <form action="/submit" method="post">      <!-- Full Name -->      <label for="fullname">Full Name:</label><br>      <input type="text" id="fullname" name="fullname" required><br><br>      <!-- Email -->      <label for="email">Email:</label><br>      <input type="email" id="email" name="email" required><br><br>      <!-- Password -->      <label for="password">Password:</label><br>      <input type="password" id="password" name="password" required><br><br>      <!-- Gender -->      <label>Gender:</label><br>      <input type="radio" id="male" name="gender" value="Male">      <label for="male">Male</label><br>      <input type="radio" id="female" name="gender" value="Female">      <label for="female">Female</label><br><br>      <!-- Date of Birth -->      <label for="dob">Date of Birth:</label><br>      <input type="date" id="dob" name="dob"><br><br>      <!-- Course Selection -->      <label for="course">Select Course:</label><br>      <select id="course" name="course">        <option value="btech">B.Tech</option>        <option value="bsc">B.Sc</option>        <option value="bca">BCA</option>        <option value="mca">MCA</option>      </select><br><br>      <!-- Upload Profile Photo -->      <label for="photo">Upload Profile Photo:</label><br>      <input type="file" id="photo" name="photo"><br><br>      <!-- Agree to Terms -->      <input type="checkbox" id="terms" name="terms" required>      <label for="terms">I agree to the terms and conditions</label><br><br>      <!-- Submit Button -->      <input type="submit" value="Register">      <input type="reset" value="Clear">    </form>  </body>  </html> | | | |
| Output: | | | |
| Output Analysis | | The program displays a **User Registration Form** in the browser. It contains fields for name, email, password, gender, date of birth, course selection, photo upload, and a checkbox for terms. The form validates required inputs. The **Submit** button sends data, and the **Reset** button clears all fields. | | | |
| Link of student Github profile where lab assignment has been uploaded. | | <https://github.com/kartiktale12/WebTechnology> | | | |
| Conclusion | | The User Registration Form was successfully created using HTML5 form tags. It collects user details through various input fields, validates required information, and provides options to submit or reset the data. | | | |
| Plag Report (Similarity index < 12%) | | 10% | | | |
| Date | | 11/08/2025 | | | |