Web Application Development Lab
Assignment - 10
Form Handling, Database Operation, Session, Cookie, File Inclusion

1. Design an HTML form to accept a number. With the help of a PHP script check if the number is a prime number. Submit the form to the same page and display message.

2. Design a simple calculator using HTML. Two textboxes to take two numbers as input and one dropdown to select the operator. With the help of a PHP script display the result. Display the result on the same page.

3. Consider the following associative array and create a dropdown menu. Use key and value appropriately. When form is submitted a message should be displayed showing the country code which is selected. If no country is selected display message accordingly.
   ```
   $countryCodes = array( "US" => "United States", "CA" => "Canada", "GB" => "United
   Kingdom", "AU" => "Australia", "IN" => "India", "FR" => "France", "DE" => "Germany", "IT" =>
   "Italy")
   ```

4. Design a HTML page consisting of several fields like – Name, gender, date of birth, address(textarea), mobile, email, branch(drop down), language known(check box). Write a separate PHP script to access the data from the form created above and display the data.

5. Design a login form with email id and password field. If email id is jhon@gmail.com and password is "12345" redirect the user to a welcome page and display a welcome message. Otherwise redirect the user to the login page.

6. Write a PHP script where a user selects their Age from a dropdown (Under 18, 18-35, 36-50, Above 50). Based on the selected age group, redirect the user to different pages (e.g., teen.php, adult.php, middle-aged.php, or senior.php).

7. Create CRUD application for Student Management System. Consider employee details like – Student ID, Name, Gender, DOB, Mobile, Email, Address, Department and CGPA. Student ID can be auto increment field in the database and will act as primary key. Mobile number and email address must be unique for each employee. Create respective fields in HTML to accept the data. Department can be a dropdown filed in the front-end having values like – CSE, CST, CEN, MSc and MCA. Display all the employee details in a tabular format and create three links – details, update and delete for each employee to perform the respective operations based on the student id. Use bootstrap to design the pages. For easy navigation design a navbar. Use PHP include whenever required.

8. Design a multipage registration application using cookie. Design first form to accept Name, Father's Name and Date of Birth of the user. In the Second form accept Contact Information of the user like – mobile, email and address. Design a verify details page where all the details given in both the forms will be display and one link for final submission. On the final submission store the data in a database table and display a successful message and clear all the data stored in cookies.

9. Create 3 PHP files. In 2 PHP files create two input field to accept two numbers in the third page display the sum of two numbers. Use session to transfer data between pages.

10. Design an authentication system using PHP session. Register a user with the details like Name, Mobile, Email (PK) and Password and store the data to the database. In the login page ask the user to enter email and password. Validate the user form the database and store the name and email in the session if credentials are correct and forward the user to the dashboard page, else display suitable error message. In the dashboard page display a welcome message with the user's name. Create the profile page where password can be updated. Crate a link to perform logout operation.