PHP WEB APPLICATION TO DISPLAY STUDENT DETAILS

AIM

PHP web application to read and display student details .

SOURCE CODE:

c4-1.html

```html
<html>
    <body>
        <form action="c4-1.php" method="post">
                ID    <input type="text" name="id"><br><br>
                NAME    <input type="text" name="name"><br><br>
                CLASS <input type="text"name="class"><br><br>
                AGE    <input type="text"name="age"><br><br>
                <input type="submit" value="submit"> <input type="reset"
                  value="reset">
        </form>
    </body>
</html>
```

c4-1.php

```php
<?php
$id=$_POST['id'];
$name=$_POST['name'];
$age=$_POST['age'];
$class=$_POST['class'];
echo "Name of student:$name<br> Id:$id <br> Age:$age <br> class:$class";
?>
```

RESULT

The HTML page to demonstrate php web application to display student details.

LOGIN PAGE AND A WELCOME PAGE USING MYSQL

AIM

PHP web application to implement a login page and a welcome page.

SOURCE CODE:

Database creation

```
create database db1;
use db1;
create table users (username vachar(30) not null,password varcchar(50) not null);
insert into users values ('Hari',1234);
```

c4-2.html

```html
<html>
    <body>
        <form action="c4-2.php" method="post">
            <center>
                USERNAME:   <input type="text" name="username"
placeholder="Enter the                                          username"><br><br>
                PASSWORD:    <input type="password" name="password"
placeholder="Enter the                             password"><br><br>
                <input type="submit" value="Submit">
            </center>
        </form>
    </body>
</html>
```

c4-2.php

```php
<?php
include('c4-2db.php');
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $username = $_POST['username'];
    $password = $_POST['password'];
    if (empty($username) || empty($password)) {
        echo "Please enter both username and password.";
    } else {
        $sql = "SELECT * FROM users WHERE username = ?";
        $stmt = $conn->prepare($sql);
        $stmt->bind_param("s", $username);
        $stmt->execute();
        $result = $stmt->get_result();
        if ($result->num_rows == 1) {
```

```php
            $row = $result->fetch_assoc();
            if ($password==$row['password']) {
                echo "<h2>Welcome, " . htmlspecialchars($row['username']) . "!</h2>";
            } else {
                echo "Invalid password!";
            }
        } else {
            echo "User not found!";
        }
        $stmt->close();
    }
}
$conn->close();
?>
```

<u>c4-2db.php</u>

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "db1";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
?>
```

RESULT

The HTML page to demonstrate php web application to create a login page and welcome page student details using MySQL has been designed.

STUDENT REGISTRATION FORM USING MYSQL AND COOKIES

AIM

PHP web application using MySQL database to register, login and display student information. Use PHP Cookies to retrieve information from login.

SOURCE CODE:

Database creation

```
create database student_db;
use student_db;
CREATE TABLE students (
    id INT AUTO_INCREMENT PRIMARY KEY,
    first_name VARCHAR(30) NOT NULL,
    last_name VARCHAR(30) NOT NULL,
    dob DATE NOT NULL,
    email VARCHAR(100) NOT NULL UNIQUE,
    gender ENUM('MALE', 'FEMALE') NOT NULL,
    password VARCHAR(255) NOT NULL);
```

c4-3reg.php

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "student_db";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
if (isset($_POST['submit'])) {
    $firstName = $_POST['firstName'];
    $lastName = $_POST['lastName'];
    $dob = $_POST['dob'];
    $email = $_POST['email'];
    $gender = $_POST['gender'];
    $password = password_hash($_POST['password'], PASSWORD_DEFAULT);
```

```php
    $sql = "INSERT INTO students (first_name, last_name, dob, email, gender, password)
            VALUES ('$firstName', '$lastName', '$dob', '$email', '$gender', '$password')";

    if ($conn->query($sql) === TRUE) {
        echo "Registration successful!";

    } else {
        echo "Error: " . $conn->error;
        exit();
    }
    header("Location: c4-3login.php");
}
?>
```

```html
<html>
<body>
    <h2 style="text-align:center">STUDENT REGISTRATION FORM</h2>
    <form action="c4-3reg.php" name="registrationForm" method="POST">
        <table align="center" border="1" cellpadding="8">
            <tr>
                <td>FIRST NAME</td>
                <td><input type="text" name="firstName" required maxlength="30"></td>
            </tr>
            <tr>
                <td>LAST NAME</td>
                <td><input type="text" name="lastName" required maxlength="30"></td>
            </tr>
            <tr>
                <td>DATE OF BIRTH</td>
                <td><input type="date" name="dob" required></td>
            </tr>
            <tr>
                <td>EMAIL-ID</td>
                <td><input type="email" name="email" required></td>
            </tr>
            <tr>
                <td>GENDER</td>
                <td><input type="radio" name="gender" value="MALE" required> Male
                    <input type="radio" name="gender" value="FEMALE" required>
                        Female
                </td>
            </tr>
            <tr>
                <td>PASSWORD</td>
                <td><input type="password" name="password" required
                    maxlength="30"></td>
            </tr>
```

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```
                <tr>
                    <td colspan="2"><center>
                                <input type="submit" name="submit"
        value="SUBMIT"> 
                                <input type="reset">
            </center></td>
                </tr>
            </table>
    </form>
</body>
</html>
```

c4-3db.php

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "student_db";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
?>
```

c4-3login.php

```php
<?php
include('c4-3db.php');

if (isset($_POST['submit'])) {
    $email = $_POST['email'];
    $password = $_POST['password'];

    $sql = "SELECT * FROM students WHERE email = '$email'";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        $user = $result->fetch_assoc();

        if (password_verify($password, $user['password'])) {
            setcookie('user_id', $user['id'], time() + (86400 * 30), "/");
            setcookie('email', $user['email'], time() + (86400 * 30), "/");
            header("Location: c4-3dash.php");
            exit();
```

```php
            } else {
                echo "Incorrect password.";
            }
        } else {
            echo "No user found with that email.";
        }
    }
?>

<html>
<head>
     <title>Login</title>
</head>
<body>
     <h2>Login</h2>
     <form method="POST" action="c4-3login.php">
          <label>Email: </label><br>
          <input type="email" name="email" required><br><br>

          <label>Password: </label><br>
          <input type="password" name="password" required><br><br>

          <input type="submit" name="submit" value="Login">
     </form>
</body>
</html>
```

c4-3dash.php

```php
<?php
include('c4-3db.php');

if (!isset($_COOKIE['user_id'])) {
     header("Location: c4-3login.php");
     exit();
}

$user_id = $_COOKIE['user_id'];
$email = $_COOKIE['email'];

$sql = "SELECT * FROM students WHERE id = '$user_id' AND email = '$email'";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
     $user = $result->fetch_assoc();
} else {
     echo "User not found.";
```

```php
        exit();
}
?>


<html>
<body>
    <h2>Welcome, <?php echo $user['first_name'] . ' ' . $user['last_name']; ?></h2>
    <p>Email: <?php echo $user['email']; ?></p>
    <p>Gender: <?php echo $user['gender']; ?></p>
    <p>Date of Birth: <?php echo $user['dob']; ?></p>

    <a href="c4-3logout.php">Logout</a>
</body>
</html>
```

c4-3logout.php

```php
<?php
setcookie('user_id', '', time() - 3600, "/");
setcookie('email', '', time() - 3600, "/");
header("Location: c4-3login.php");
exit();
?>
```

RESULT

The HTML page to demonstrate student registration form using MySQL and cookies to display the details has been designed.

STUDENT REGISTRATION FORM USING MYSQL AND SESSION

AIM

PHP web application using MySQL database to register, login and display student information. Use PHP Sessions to retrieve information from login..

SOURCE CODE:

Database creation

```
create database student_db;
use student_db;
CREATE TABLE students (
    id INT AUTO_INCREMENT PRIMARY KEY,
    first_name VARCHAR(30) NOT NULL,
    last_name VARCHAR(30) NOT NULL,
    dob DATE NOT NULL,
    email VARCHAR(100) NOT NULL UNIQUE,
    gender ENUM('MALE', 'FEMALE') NOT NULL,
    password VARCHAR(255) NOT NULL);
```

c4-4reg.php

```php
<?php
session_start(); // Start the session

include('c4-3db.php');

if (isset($_POST['submit'])) {
    $firstName = $_POST['firstName'];
    $lastName = $_POST['lastName'];
    $dob = $_POST['dob'];
    $email = $_POST['email'];
    $gender = $_POST['gender'];
    $password = password_hash($_POST['password'], PASSWORD_DEFAULT);

    $sql = "INSERT INTO students (first_name, last_name, dob, email, gender, password)
            VALUES ('$firstName', '$lastName', '$dob', '$email', '$gender', '$password')";

    if ($conn->query($sql) === TRUE) {
        echo "Registration successful!";
        header("Location: c4-3login.php");
        exit();
    } else {
        echo "Error: " . $conn->error;
        exit();
```

```
    }
}
?>

<html>
<body>
    <h2 style="text-align:center">STUDENT REGISTRATION FORM</h2>
    <form action="c4-3reg.php" name="registrationForm" method="POST">
        <table align="center" border="1" cellpadding="8">
            <tr>
                <td>FIRST NAME</td>
                <td><input type="text" name="firstName" required maxlength="30"></td>
            </tr>
            <tr>
                <td>LAST NAME</td>
                <td><input type="text" name="lastName" required maxlength="30"></td>
            </tr>
            <tr>
                <td>DATE OF BIRTH</td>
                <td><input type="date" name="dob" required></td>
            </tr>
            <tr>
                <td>EMAIL-ID</td>
                <td><input type="email" name="email" required></td>
            </tr>
            <tr>
                <td>GENDER</td>
                <td><input type="radio" name="gender" value="MALE" required> Male
                    <input type="radio" name="gender" value="FEMALE" required>
                        Female
                </td>
            </tr>
            <tr>
                <td>PASSWORD</td>
                <td><input type="password" name="password" required
                        maxlength="30"></td>
            </tr>
            <tr>
                <td colspan="2"><center>
                        <input type="submit" name="submit" value="SUBMIT"> 
                        <input type="reset">
        </center></td>
            </tr>
        </table>
    </form>
</body>
</html>
```

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c4-4db.php

```php
<?php
session_start();
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "student_db";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
?>
```

c4-4login.php

```php
<?php
session_start();
include('c4-3db.php');

if (isset($_SESSION['user_id'])) {
    header("Location: c4-3dash.php"); // Redirect to dashboard if already logged in
    exit();
}

if (isset($_POST['submit'])) {
    $email = $_POST['email'];
    $password = $_POST['password'];

    $sql = "SELECT * FROM students WHERE email = '$email'";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        $user = $result->fetch_assoc();

        if (password_verify($password, $user['password'])) {

            $_SESSION['user_id'] = $user['id'];
            $_SESSION['email'] = $user['email'];
            header("Location: c4-3dash.php");
            exit();
        } else {
            echo "Incorrect password.";
        }
    } else {
```

```php
            echo "No user found with that email.";
        }
    }
?>

<html>
<head>
    <title>Login</title>
</head>
<body>
    <h2>Login</h2>
    <form method="POST" action="c4-3login.php">
        <label>Email: </label><br>
        <input type="email" name="email" required><br><br>

        <label>Password: </label><br>
        <input type="password" name="password" required><br><br>

        <input type="submit" name="submit" value="Login">
    </form>
</body>
</html>
```

c4-4dash.php

```php
<?php
session_start(); // Start the session

include('c4-3db.php');

if (!isset($_SESSION['user_id'])) {
    header("Location: c4-3login.php");
    exit();
}

$user_id = $_SESSION['user_id'];
$email = $_SESSION['email'];

$sql = "SELECT * FROM students WHERE id = '$user_id' AND email = '$email'";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    $user = $result->fetch_assoc();
} else {
    echo "User not found.";
    exit();
}
```

```
?>

<html>
<body>
    <h2>Welcome, <?php echo $user['first_name'] . ' ' . $user['last_name']; ?></h2>
    <p>Email: <?php echo $user['email']; ?></p>
    <p>Gender: <?php echo $user['gender']; ?></p>
    <p>Date of Birth: <?php echo $user['dob']; ?></p>

    <a href="c4-3logout.php">Logout</a>
</body>
</html>
```

c4-4logout.php

```
<?php
session_start();

session_unset();
session_destroy();

header("Location: c4-3login.php");
exit();
?>
```

RESULT

The HTML page to demonstrate student registration form using MySQL and session to display the details has been designed.