

**PHP WEB APPLICATION TO DISPLAY STUDENT DETAILS USING MYSQL  
AIM**

PHP web application to read and display student details .

**SOURCE CODE:**c4-1.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
$id=$_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 using MySQL has been designed.

**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 varchar(30) not null,password varchar(50) not null);
insert into users values ('Hari',1234);
```

c4-2.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
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) {
```

```

        $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();
?>

```

#### c4-2db.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
$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);
```

```

$sql = "INSERT INTO students (first_name, last_name, dob, email, gender, password)
VALUES ('$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>
<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>
    </table>
</form>
</body>
</html>

```

```

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

```

#### c4-3db.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
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();
        }
    }
}

```

```

        } 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
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.";
}

```

```

        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
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
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">&nbsp;
                    <input type="reset">
                </center></td>
            </tr>
        </table>
    </form>
</body>
</html>

```

#### c4-4db.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
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 {
            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
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.