```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "Employee";

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

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

    $full_name = $_POST['full_name'];
    $designation = $_POST['designation'];
    $date_of_joining = $_POST['date_of_joining'];
    $phone_no = $_POST['phone_no'];
    $email = $_POST['email'];
    $address = $_POST['address'];

    $stmt = $conn->prepare("INSERT INTO Employee_record (full_name, designation,
date_of_joining, phone_no, email, address) VALUES (?, ?, ?, ?, ?, ?)");
    $stmt->bind_param("ssssss", $full_name, $designation, $date_of_joining,
$phone_no, $email, $address);

    if ($stmt->execute()) {
        echo "<p>Employee registered successfully!</p>";
    } else {
        echo "<p>Error: " . $stmt->error . "</p>";
    }

    $stmt->close();
    $conn->close();
}
?>



<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Employee Registration</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            display: flex;
            justify-content: center;
```

```
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .container {
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
        h2 {
            margin-bottom: 20px;
        }
        .form-group {
            margin-bottom: 15px;
        }
        .form-group label {
            display: block;
            margin-bottom: 5px;
        }
        .form-group input, .form-group textarea {
            width: 100%;
            padding: 8px;
            box-sizing: border-box;
            border: 1px solid #ddd;
            border-radius: 4px;
        }
        .form-group input[type="submit"] {
            background-color: #5cb85c;
            color: white;
            border: none;
            cursor: pointer;
        }
        .form-group input[type="submit"]:hover {
            background-color: #4cae4c;
        }
        .error {
            color: red;
            margin-top: 10px;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Employee Registration</h2>
        <form id="registrationForm" method="POST" action="registration.php">
            <div class="form-group">
                <label for="full_name">Full Name:</label>
                <input type="text" id="full_name" name="full_name" required>
            </div>
```

```html
            <div class="form-group">
                <label for="designation">Designation:</label>
                <input type="text" id="designation" name="designation" required>
            </div>
            <div class="form-group">
                <label for="date_of_joining">Date of Joining:</label>
                <input type="date" id="date_of_joining" name="date_of_joining"
required>
            </div>
            <div class="form-group">
                <label for="phone_no">Phone Number:</label>
                <input type="text" id="phone_no" name="phone_no" required>
            </div>
            <div class="form-group">
                <label for="email">Email:</label>
                <input type="email" id="email" name="email" required>
            </div>
            <div class="form-group">
                <label for="address">Address:</label>
                <textarea id="address" name="address" rows="4" required></textarea>
            </div>
            <div class="form-group">
                <input type="submit" value="Register">
            </div>
            <div id="error-message" class="error"></div>
        </form>
    </div>

    <script>
        document.getElementById('registrationForm').addEventListener('submit',
function(event) {
            const phoneNo = document.getElementById('phone_no').value;
            const email = document.getElementById('email').value;
            const errorMessage = document.getElementById('error-message');
            let valid = true;

            const phoneRegex = /^[0-9]{10,15}$/;
            if (!phoneRegex.test(phoneNo)) {
                errorMessage.textContent = 'Please enter a valid phone number
(10-15 digits).';
                valid = false;
            }

            const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
            if (!emailRegex.test(email)) {
                errorMessage.textContent = 'Please enter a valid email address.';
                valid = false;
            }

            if (!valid) {
```

```
                    event.preventDefault();
                }
            });
        </script>
    </body>
</html>
```

Employee Registration

Full Name:

Neha

Designation:

Teacher

Date of Joining:

03-08-2024

Employee registered successfully! Phone Number:

1234567890

Email:

neha@gmail.com

Address:

Delhi

Register

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT * FROM `employee_record`

id	full_name	designation	date_of_joining	phone_no	email	address
2	Neha	Teacher	2024-08-03	1234567890	neha@gmail.com	Delhi

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "UserAuth";

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

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

    $username = $_POST['username'];
    $password = $_POST['password'];

    $stmt = $conn->prepare("SELECT password FROM User_credentials WHERE username =
?");
    $stmt->bind_param("s", $username);
    $stmt->execute();
    $stmt->bind_result($hashedPassword);
    $stmt->fetch();
    $stmt->close();
    $conn->close();

    if ($hashedPassword && password_verify($password, $hashedPassword)) {
        echo "<p class='success'>Welcome, $username!</p>";
    } else {
        echo "<p class='error'>Invalid username or password.</p>";
    }
}
?>



<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Page</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
```

```css
        }
        .container {
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
        h2 {
            margin-bottom: 20px;
        }
        .form-group {
            margin-bottom: 15px;
        }
        .form-group label {
            display: block;
            margin-bottom: 5px;
        }
        .form-group input {
            width: 100%;
            padding: 8px;
            box-sizing: border-box;
            border: 1px solid #ddd;
            border-radius: 4px;
        }
        .form-group input[type="submit"] {
            background-color: #5cb85c;
            color: white;
            border: none;
            cursor: pointer;
        }
        .form-group input[type="submit"]:hover {
            background-color: #4cae4c;
        }
        .error, .success {
            margin-top: 10px;
        }
        .error {
            color: red;
        }
        .success {
            color: green;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Login</h2>
        <form id="loginForm" method="POST" action="login.php">
            <div class="form-group">
                <label for="username">Username:</label>
```

```html
            <input type="text" id="username" name="username" required>
        </div>
        <div class="form-group">
            <label for="password">Password:</label>
            <input type="password" id="password" name="password" required>
        </div>
        <div class="form-group">
            <input type="submit" value="Login">
        </div>
        <div id="error-message" class="error"></div>
    </form>
</div>

<script>
    document.getElementById('loginForm').addEventListener('submit',
function(event) {
        const username = document.getElementById('username').value;
        const password = document.getElementById('password').value;
        const errorMessage = document.getElementById('error-message');
        let valid = true;

        if (!username || !password) {
            errorMessage.textContent = 'Both fields are required.';
            valid = false;
        }

        if (!valid) {
            event.preventDefault();
        }
    });
</script>
</body>
</html>
```

Login

Username:

Password:

Login

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

SELECT * FROM `employee_login`

id	username	password
1	testuser	$2y$10$JzJYDinquEyc6pU.ZUP7DuCeyFukzYr8UwzKUk.JnHp...

userlogin.php

```php
<?php
session_start();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Login</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .form-container {
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            max-width: 400px;
            width: 100%;
        }
        .form-group {
            margin-bottom: 15px;
        }
        .form-group label {
            display: block;
            margin-bottom: 5px;
        }
        .form-group input {
            width: 100%;
            padding: 8px;
            border: 1px solid #ddd;
            border-radius: 4px;
        }
        .form-group input[type="submit"] {
            background-color: #4CAF50;
            color: #fff;
            border: none;
            cursor: pointer;
        }
```

```
        .form-group input[type="submit"]:hover {
            background-color: #45a049;
        }
        .error {
            color: red;
            margin-top: 5px;
        }
    </style>
</head>
<body>
    <div class="form-container">
        <h2>Login</h2>
        <form method="POST" action="userlogin.php">
            <div class="form-group">
                <label for="username">Username:</label>
                <input type="text" id="username" name="username" required>
            </div>
            <div class="form-group">
                <label for="password">Password:</label>
                <input type="password" id="password" name="password" required>
            </div>
            <div class="form-group">
                <input type="submit" value="Login">
            </div>
        </form>
        <?php
        if ($_SERVER["REQUEST_METHOD"] == "POST") {
            $username = $_POST['username'];
            $password = $_POST['password'];

            if (isset($_COOKIE['username']) && isset($_COOKIE['password'])) {
                $stored_username = $_COOKIE['username'];
                $stored_password = $_COOKIE['password'];

                if ($username === $stored_username && password_verify($password,
$stored_password)) {
                    $_SESSION['username'] = $username;
                    header("Location: userdashboard.php");
                    exit();
                } else {
                    echo "<p class='error'>Invalid credentials</p>";
                }
            } else {
                echo "<p class='error'>No user found</p>";
            }
        }
        ?>
    </div>
</body>
</html>
```

userdashboard.php

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Dashboard</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .dashboard-container {
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            max-width: 400px;
            width: 100%;
            text-align: center;
        }
        .dashboard-container a {
            display: inline-block;
            margin-top: 15px;
            color: #4CAF50;
            text-decoration: none;
        }
        .dashboard-container a:hover {
            text-decoration: underline;
        }
    </style>
</head>
<body>
    <div class="dashboard-container">
        <h2>Welcome to the Dashboard!</h2>
        <a href="userlogout.php">Logout</a>
    </div>
</body>
```

```
</html>
```

userregister.php

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Registration</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .form-container {
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            max-width: 400px;
            width: 100%;
        }
        .form-group {
            margin-bottom: 15px;
        }
        .form-group label {
            display: block;
            margin-bottom: 5px;
        }
        .form-group input {
            width: 100%;
            padding: 8px;
            border: 1px solid #ddd;
            border-radius: 4px;
        }
        .form-group input[type="submit"] {
            background-color: #4CAF50;
            color: #fff;
            border: none;
```

```html
            cursor: pointer;
        }
        .form-group input[type="submit"]:hover {
            background-color: #45a049;
        }
    </style>
</head>
<body>
    <div class="form-container">
        <h2>Register</h2>
        <form method="POST" action="userregister.php">
            <div class="form-group">
                <label for="username">Username:</label>
                <input type="text" id="username" name="username" required>
            </div>
            <div class="form-group">
                <label for="password">Password:</label>
                <input type="password" id="password" name="password" required>
            </div>
            <div class="form-group">
                <input type="submit" value="Register">
            </div>
        </form>
        <?php
        if ($_SERVER["REQUEST_METHOD"] == "POST") {
            $username = $_POST['username'];
            $password = $_POST['password'];

            $hashed_password = password_hash($password, PASSWORD_DEFAULT);

            setcookie('username', $username, time() + (86400 * 30), "/");
            setcookie('password', $hashed_password, time() + (86400 * 30), "/");

            echo "<p>Registration successful! <a href='userlogin.php'>Go to
Login</a></p>";
        }
        ?>
    </div>
</body>
</html>
```

userlogout.php

```php
<?php
```

```php
session_start();
session_unset();
session_destroy();

setcookie('username', '', time() - 3600, "/");
setcookie('password', '', time() - 3600, "/");

?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Logout</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .message-container {
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            max-width: 400px;
            width: 100%;
            text-align: center;
        }
        .message-container a {
            display: inline-block;
            margin-top: 15px;
            color: #4CAF50;
            text-decoration: none;
        }
        .message-container a:hover {
            text-decoration: underline;
        }
    </style>
</head>
<body>
    <div class="message-container">
        <h2>You have been logged out</h2>
        <a href="userlogin.php">Login again</a>
    </div>
```

```
</body>
</html>
```

Register

Username:

user1

Password:

••••

Register

Login

Username:

user1

Password:

••••

Login

Welcome to the Dashboard!

Logout

You have been logged out

Login again

```php
<?php

// Writing to a File
$file = fopen("sample.txt", "w");
if ($file) {
    fwrite($file, "Welcome in the world of machine learning.");
    fclose($file);
    echo "File written successfully.<br>";
} else {
    echo "Error opening file for writing.<br>";
}

// Appending to a File
$file = fopen("example.txt", "a");
if ($file) {
    fwrite($file, "This is an appended message.");
    fclose($file);
    echo "File appended successfully.<br>";
} else {
    echo "Error opening file for appending.<br>";
}

// Copying a File
if (copy("example.txt", "example_copy.txt")) {
    echo "File copied successfully.<br>";
} else {
    echo "Error copying file.<br>";
}

// Reading from a File
$file = fopen("example_copy.txt", "r");
if ($file) {
    while (($line = fgets($file)) !== false) {
        echo htmlspecialchars($line) . "<br>";
    }
    fclose($file);
} else {
    echo "Error opening file for reading.<br>";
}

// Deleting a File
if (unlink("example_copy.txt")) {
    echo "File deleted successfully.<br>";
} else {
    echo "Error deleting file.<br>";
}

// Renaming a File
if (rename("sample.txt", "renamed_sample.txt")) {
    echo "File renamed successfully.<br>";
```

```php
} else {
    echo "Error renaming file.<br>";
}

?>
```

File written successfully.
File appended successfully.
File copied successfully.
This is an appended message.This is an appended message.This is an appended message.This is an appended message.
File deleted successfully.
File renamed successfully.