


Module 8

Design and develop a User Authentication System (Login-Logout functionality) using cookies, and sessions.

Aim: To design and develop a User Authentication System (Login-Logout functionality) using cookies, and sessions.

Procedure:







1. Open XAMPP control panel.
2. Start Apache server.
3. Start 'phpmyadmin. To do, select 'Admin' option related to MySQL server. '[localhost / 127.0.0.1 | phpMyAdmin 5.2.1](http://localhost/127.0.0.1/phpMyAdmin/5.2.1)' web page is opened.
4. Create a table, '**users**' with the following structure.

#	Name	Type
<input type="checkbox"/> 1	ID 	int(25)
<input type="checkbox"/> 2	User_Name	varchar(40)
<input type="checkbox"/> 3	Password	varchar(25)

5. Insert a record for testing the program.
INSERT INTO `users` (`id`, `User_Name`, `Password`) VALUES (1, 'Ram', 'Shiva');
6. Open any text editor like notepad or Sublime.
7. Develop ".php" source code files (to handle login, validate the login data, welcome and logout).
8. Save them in a "targeted directory" created in "htdocs" predefined directory (provided by "XAMPP" software, at the time of installation).
9. Open login.php in any browser using localhost. Login web page is opened.
10. Enter login credentials and select 'Remember me' check box. User credentials will be saved in the cookie file inside the browser.
11. Once you logout, and re-login you will see user credentials are filled-in the login-form.

Module Structure:

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Name	Last modified	Size	Description
 Parent Directory		-	
 login.php	2023-12-25 12:36	1.3K	
 logout.php	2023-12-25 11:47	166	
 register.php	2023-12-25 12:35	9	
 validate.php	2023-12-25 11:40	856	
 welcome.php	2023-12-25 11:43	134	

Apache/2.4.56 (Win64) OpenSSL/1.1.1t PHP/8.2.4 Server at localhost Port 80

Source Code:

login.php

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Login</title>

    <style type="text/css">

        *{

            margin: 0;

            padding: 0;

            box-sizing: border-box;

            font-family: "sans-serif";

        }

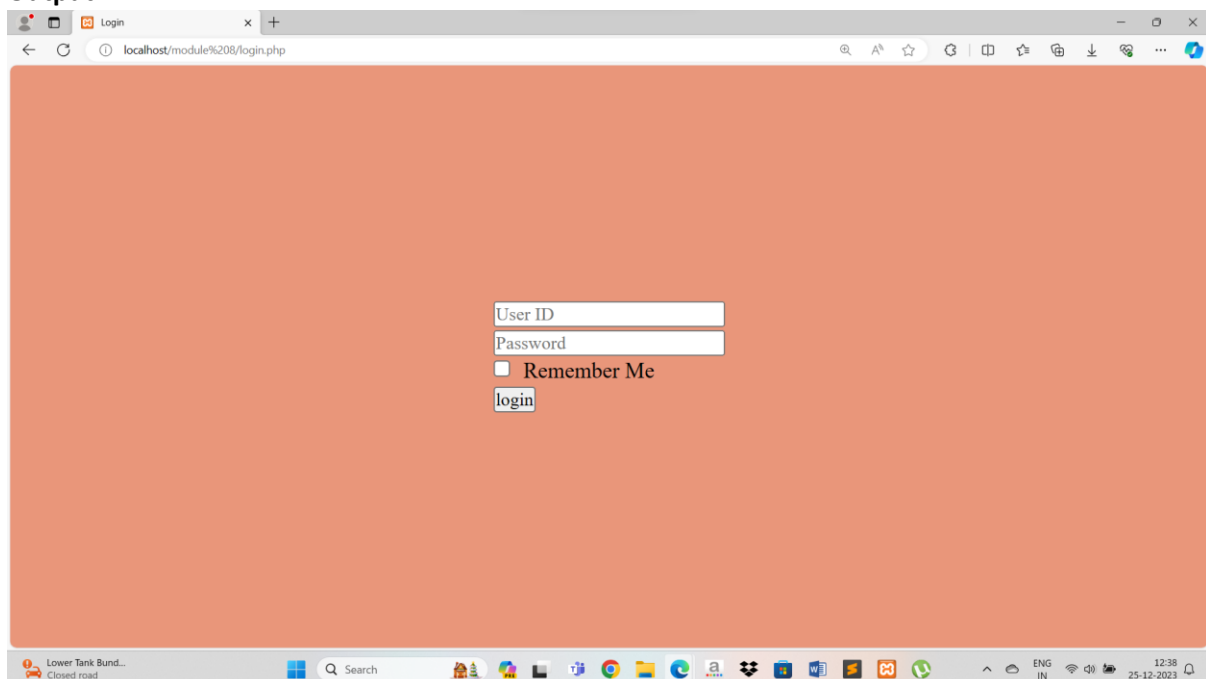
        body{

            display: flex;
```

```
        justify-content: center;
        align-items: center;
        min-height: 100vh;
        background: darksalmon;
    }

</style>
</head>
<body>
    <form method="post" action="validate.php">
        <table>
            <tr>
                <td colspan=2>
                    <input class="input_box" type="text" name="userName"
placeholder="User ID" id="userName_ID">
                </td>
            </tr>
            <tr>
                <td colspan="2">
                    <input type="Password" name="password" placeholder="Password"
id="password_ID" class="input_box">
                </td>
            </tr>
            <tr>
                <td>
                    <input type="checkbox" name="remember" value="1">
                </td>
                <td>
                    Remember Me
                </td>
            </tr>
            <tr>
```

```
<td colspan="2">
    <input type="submit" value="login" name="login">
</td>
</tr>
</table>
</form>
</body>
</html>
<?php
    if(isset($_COOKIE['userName']) and isset($_COOKIE['password']))
    {
        $un = $_COOKIE['userName'];
        $pass = $_COOKIE['password'];
        echo "<script>
            document.getElementById('userName_ID').value = '$un';
            document.getElementById('password_ID').value = '$pass';
        </script>";
    }
?>
```

Output:

Validate.php

```
<?php
    if(isset($_POST['login']))
    {
        $server = "localhost";
        $user = "root";
        $password = "";
        $db = "test";
        $con = new mysqli($server,$user,$password,$db);
        $user = $_POST['userName'];
        $password = $_POST['password'];
        $remember = $_POST['remember'];
        $sql = "select * from users where User_Name='$user' and Password='$password'";
        $rs = $con->query($sql);
        if ($rs->num_rows > 0)
        {
            session_start();
            $_SESSION['userName'] = $user;
            $_SESSION['password'] = $password;
            if(isset($_POST['remember']))
            {
                setcookie("userName", $user, time()+60*60*7);
                setcookie("password", $password, time()+60*60*7);
                header("location: welcome.php");
            }
        }
        else
        {
            echo "Either User Name or Password is INVALID !". "<br>". "<a
href='login.php'>Click here</a> to try again";
        }
    }
}
```

```
    }  
    else  
    {  
  
    }  
?>
```

welcome.php

```
<?php
```

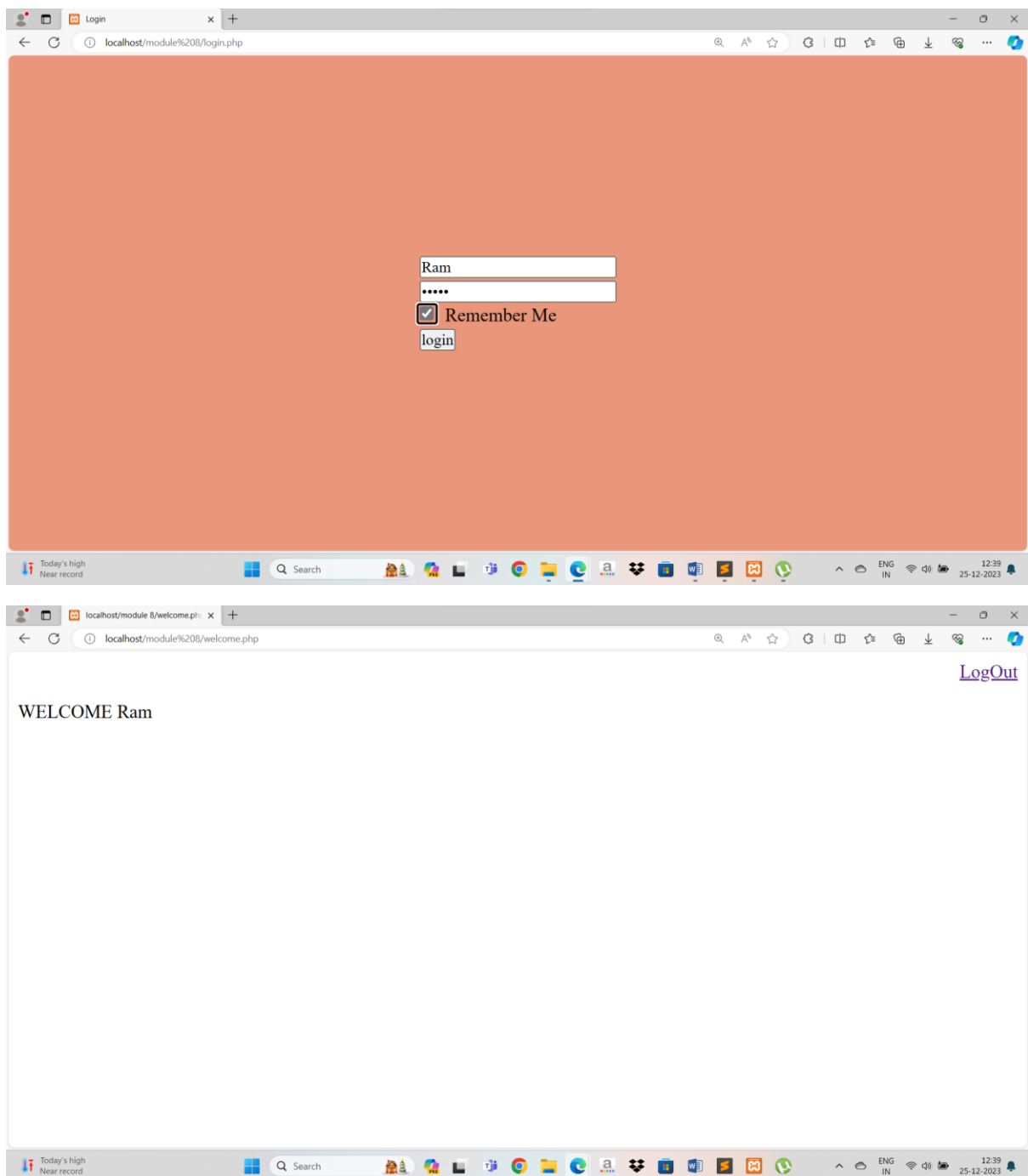
```
    session_start();
```

```
    echo "<p align='right'><a href='logout.php'>LogOut</a></p>";
```

```
    echo "WELCOME ".$_SESSION['userName'];
```

```
?>
```

Output:



logout.php

```
<?php
```

```
session_start();
```

```
echo $_SESSION['userName'].", you successfully log out !".<br>".<a href='login.php'>Click here</a> to LogIN again";
```

```
session_destroy();
```

```
?>
```

Output:

