

## **Practical No. 10**

**Objective:** Making a login application in JSP and verify the credentials on **input.jsp** using a table in the MySQL database. On successful login the user must be directed to **welcome.jsp**. On **welcome.jsp**, he is shown a welcome message and a **log out button**. On clicking on logout button he must be redirected to **logout.jsp** where he must be shown Logout message and his session should end. Also he should be given with a link to be redirected to the **input.jsp** page.

### **Theory:**

Java Server Pages(JSP) is a server-side programming technology that enables the creation of dynamic, platform-independent method for building Web-based applications. *JSP* have access to the entire family of Java APIs, including the JDBC API to access enterprise databases.

### **Source Code:**

#### **index.html**

```
<html>
    <head>
        <title>TODO supply a title</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body><form action="input.jsp">
        UserName:<input type="text" name="User" value="" /><br>
        Password:<input type="password" name="Pass" value="" /><br>
        <input type="submit" value="LOGIN" />
    </form>
</body>
</html>
```

#### **input.jsp**

```
<%-->
Document      : newjsp
Created on : Feb 12, 2018, 2:52:57 PM
Author       : DELL
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
Page</title>
    </head>
    <body>
        <%@page import="java.sql.*" %>
        <%
            Connection con=null;
            PreparedStatement ps =null;
            ResultSet rs = null;
```

```

String DriverName = "com.mysql.jdbc.Driver";
String url="jdbc:mysql://localhost:3306/user";
String user="root";
String pass="sana";
String str1 = request.getParameter("User");
String str2 = request.getParameter("Pass");
System.out.println(str1);
System.out.println(str2);      try{

    Class.forName(DriverName);
    con = DriverManager.getConnection(url, user, pass);
    String sql = ("select * from login where USERNAME=? and PASS=?"); ps =
    con.prepareStatement(sql);

    ps.setString(1,str1);
    ps.setString(2,str2);
    ps.executeQuery();
    if(rs.next()==true)
    {
        session.setAttribute("User", str1);
        response.sendRedirect("welcome.jsp");
    } else{ %>
        <h1>Invalid User</h1> <jsp:include
        page="index.html"/>
        <% }
    ps.close();
    con.close();
    }
    catch (SQLException e)
    { System.out.println(e);
    }
%>
</body>
</html>

```

### welcome.jsp

```

<%-->
Document : welcome
Created on : Jan 31, 2018, 8:48:20 AM
Author : DELL
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
Page</title>
</head>

```

```

<body>
    <form action="logout.jsp">
        WELCOME...
        <%=(String)session.getAttribute("User")%> <br/> <input
        type="submit" value="Logout" /> </form>
    </body>
</html>

```

### **logout.jsp**

```

<%--%
    Document : logout
    Created on : Feb 11, 2018, 10:47:37 PM
    Author : DELL
--%>

```

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
        Page</title>
    </head>
    <body>
<%
    session.invalidate();
%>
<h2> You are Successfully Logged out</h2><br>
<h2> Click Here to <a href ="index.html">LOGIN</a></h2> </body>
</html>

```

### **Output:**

A screenshot of a web browser window. The address bar shows the URL <http://localhost:8080/JSPApplication/index.html>. The page content is a login form with fields for 'UserName' containing 'user' and 'Password' containing '\*\*\*\*'. A 'LOGIN' button is visible below the password field.



**Click Here to LOGIN**

**Result:** The given program has been compiled and executed successfully.