**Practical:12**

**Question:**

Write a program to allow the user to login and use session management.

**Code:**

Pr11.jsp:

<%@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="LoginSession">

<table>

<tr>

<td>Enter Username: </td>

<td><input type="text" name="uname"></td>

</tr>

<tr>

<td>Enter Password: </td>

<td><input type="password" name="pass"></td>

</tr>

<tr>

<td></td>

<td><input type="submit" value="Login"></td>

</tr>

</table>

</form>

</body>

</html>

LoginSession.java

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

public class LoginSession extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException, SQLException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter())

{

String uname=request.getParameter("uname");

String pass=request.getParameter("pass");

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:DSNLogin");

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select \* from Login where uname='"+uname+ "' and pass='"+ pass +"'");

if (!rs.next())

{

System.out.println("No data");

response.sendRedirect("Pr11.jsp");

}

else

{

HttpSession session=request.getSession();

System.out.println("User : "+request.getParameter("uname"));

if(session.getAttribute("uname")==null)

session.setAttribute("uname", uname);

response.sendRedirect("welcome.jsp");

}

} catch (ClassNotFoundException ex) {

Logger.getLogger(LoginSession.class.getName()).log(Level.SEVERE, null, ex);

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

try {

processRequest(request, response);

} catch (SQLException ex) {

Logger.getLogger(LoginSession.class.getName()).log(Level.SEVERE, null, ex);

}

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

try {

processRequest(request, response);

} catch (SQLException ex) {

Logger.getLogger(LoginSession.class.getName()).log(Level.SEVERE, null, ex);

}

}

@Override

public String getServletInfo() {

return "Short description";

}// </editor-fold>

}

Welcome.jsp

<%@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>

<%

if(session.getAttribute("uname")==null)

{

%>

<script>

window.location="Pr11.jsp";

</script>

<%

}

%>

<h1>WelCome To Home Page</h1>

<h2>User : <%=session.getAttribute("uname")%></h2>

<%

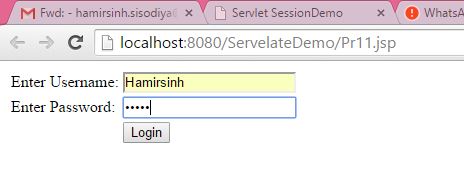
session.setAttribute("uname",null);

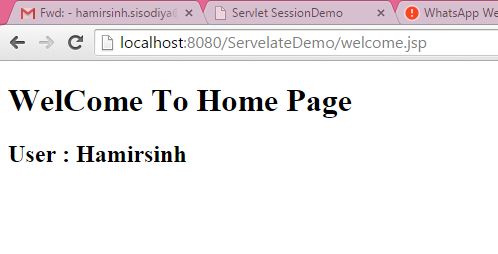
%>

</body>

</html>

**Output:**

****

****

**Practical:13**

**Question:**

To use JSP and database connectivity to create login a user.

**Code:**

Login.html

<html>

<head>

<title>Login</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<form action="LoginProcess.jsp">

<table>

<tr>

<td>Enter Username: </td>

<td><input type="text" name="uname"></td>

</tr>

<tr>

<td>Enter Password: </td>

<td><input type="password" name="pass"></td>

</tr>

<tr>

<td></td>

<td><input type="submit" value="Login"></td>

</tr>

</table>

</form>

</body>

</html>

LoginProcess.jsp

<%@page import="java.sql.\*" errorPage="\MyError.jsp"%>

<html>

<body>

<%

Connection con=null;

String uname=request.getParameter("uname");

String pass=request.getParameter("pass");

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

con=DriverManager.getConnection("jdbc:odbc:DSNLogin");

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select \* from Login where uname='"+uname+ "' and pass='"+ pass +"'");

if (!rs.next())

{

%>

User details given for user name : <%=request.getParameter("uname")%> and

password : <%=request.getParameter("pass")%> are not valid <br/> <a href="Login.html">Try again</a>

</body>

</html>

<%

return;

}

}

finally

{

try

{

con.close();

}catch(Exception e){}

}

%>

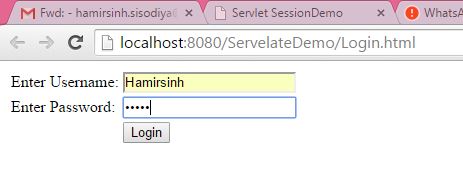
This is a Home Page <br/>

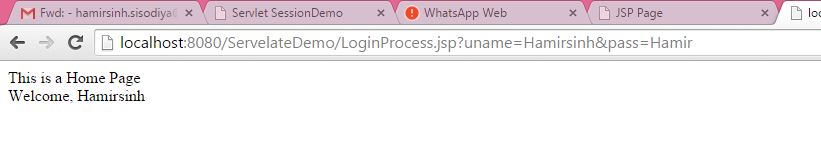
Welcome, <%=uname%>

</body>

</html>

**Output:**

****

****

**Practical:14**

**Question:**

To use JSP to demonstrate use of scripting tags.

**Code:**

ScriptingTag.jsp

<%@ page import ="java.util.\*" language="java" %>

<html>

<body>

<center><h1>Using Scripting Elements</h1></center>

<%! int count,a,b;

int fun(int a)

{

return 10\*a;

}

%>

<%

a=1;

count++;

for (int i=0;i<5;i++)

{

out.println("Value of i in iteration no."+i+":&nbsp;&nbsp;<b>"+i+"</b><br/>");

}

b=fun(a);

out.println("Value returned by fun():&nbsp;&nbsp;<b>"+b+"</b><br/>");

%>

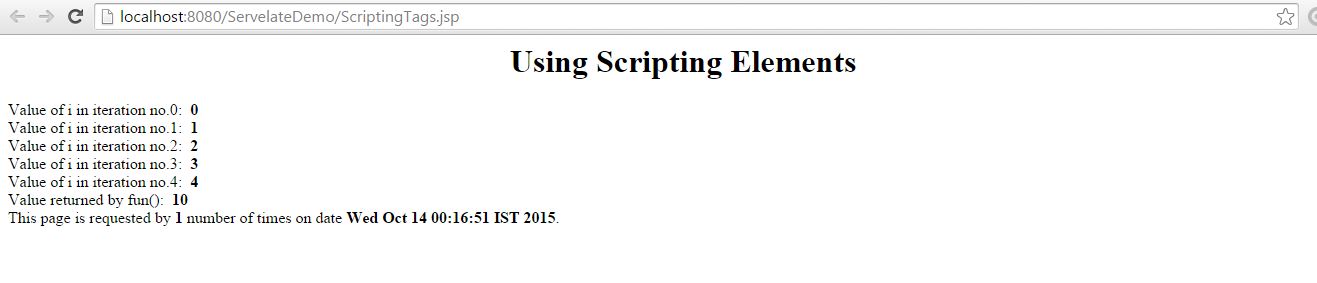
This page is requested by <b><%=count%></b> number of times on date

<b><%=new Date()%></b>.

</body>

</html>

**Output:**

****