

-----Program-9-----

Login.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class Login extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        PrintWriter out = response.getWriter();

        String uname = request.getParameter("name");
        String upass = request.getParameter("pass");
        if(uname.equals("Student") && upass.equals("ise-dsce")){
            RequestDispatcher rs = request.getRequestDispatcher("Welcome");
            rs.forward(request, response);
        }
        else
        {
            out.println("Username or Password incorrect");
            RequestDispatcher rs = request.getRequestDispatcher("index.html");
            rs.include(request, response);
        }
    }
}
```

Welcome.java

```
import java.io.*;
```

```

import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class Welcome extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

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

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

        PrintWriter out = response.getWriter();

        out.println("Welcome "+ uname);

    }

}

```

Index.html

```

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Login Form</title>

</head>

<body>

<form method="post" action="login">

    User Name:<input type="text" name="name" /><br/>

    Password:<input type="text" name="pass" /><br/>

    <input type="submit" value="login" />

</form>

</body>

</html>

```

Web.xml

```

<?xml version="1.0" encoding="UTF-8"?>

```

```

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-
app_3_1.xsd" id="WebApp_ID" version="3.1">

    <display-name>Welcome</display-name>

    <servlet>

<servlet-name>Login</servlet-name>

<servlet-class>Login</servlet-class>

</servlet>

<servlet>

<servlet-name>Welcome</servlet-name>

<servlet-class>Welcome</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Login</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Welcome</servlet-name>

<url-pattern>/Welcome</url-pattern>

</servlet-mapping>

</web-app>

```

-----Program-10-----

SessionTrack.java

```

import java.io.IOException;

import java.io.PrintWriter;

import java.util.Date;

import javax.servlet.ServletException;

```

```

import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

public class SessionTrack extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        // TODO Auto-generated method stub

        HttpSession session = request.getSession(true);

        Date createTime = new Date(session.getCreationTime());

        Date lastAccessTime = new Date(session.getLastAccessedTime());

        String title = "Welcome";

        Integer visitCount = new Integer(0);

        String visitCountKey = new String("visitCount");

        String userIDKey = new String("userID");

        String userID = new String("ISE-DSCE");

        if (session.isNew()) {

            title = "Welcome to my website";

            session.setAttribute(userIDKey, userID);

        } else {

            visitCount = (Integer)session.getAttribute(visitCountKey);

            visitCount = visitCount + 1;

            userID = (String)session.getAttribute(userIDKey);

        }

        session.setAttribute(visitCountKey, visitCount);

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        String docType =

        "<!doctype html public \"-//w3c//dtd html 4.0 \" +

        \"transitional//en\">\n";

```

```

out.println(docType +
"<html>\n" +
"<head><title>" + title + "</title></head>\n" +
"<body bgcolor = \"#f0f0f0\">\n" +
"<h1 align = \"center\">" + title + "</h1>\n" +
"<h2 align = \"center\">Session Infomation</h2>\n" +
"<table border = \"1\" align = \"center\">\n" +
"<tr bgcolor = \"#949494\">\n" +
" <th>Session info</th><th>value</th> </tr>\n" +
"<tr>\n" +
" <td>id</td>\n" +
" <td>" + session.getId() + "</td> </tr>\n" +
"<tr>\n" +
" <td>Creation Time</td>\n" +
" <td>" + createTime + " </td> </tr>\n" +
"<tr>\n" +
" <td>Time of Last Access</td>\n" +
" <td>" + lastAccessTime + " </td> </tr>\n" +
"<tr>\n" +
" <td>User ID</td>\n" +
" <td>" + userID + " </td> </tr>\n" +
"<tr>\n" +
" <td>Number of visits</td>\n" +
" <td>" + visitCount + " </td> </tr>\n" +
"</table>\n" +
"</body> </html>"
);
}
}

```

Web.xml

```

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/webapp_3_1.xsd" id="WebApp_ID" version="3.1">

<welcome-file-list>

<welcome-file>SessionTrack</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>SessionTrack</servlet-name>

<servlet-class>SessionTrack</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>SessionTrack</servlet-name>

<url-pattern>/SessionTrack</url-pattern>

</servlet-mapping>

</web-app>

```

-----Program-11-----

No need of web xml in jsp program

Error.jsp

```

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body bgcolor = "pink">

<h1> INVALID User Credentials !! </h1>

```

</body>

</html>

Login.jsp

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title> Login Page </title>
</head>
<body>
<form action="validation.jsp">
<table border="0">
<tr>
<td> USER ID: </td>
<td>
<input type="text" name="uname" /> <br>
</td>
</tr>
<tr>
<td> PASSWORD: </td>
<td>
<input type="password" name="password" /> <br>
</td>
</tr>
<tr>
<td align="center">
<input type="submit" value="submit" >
<input type="reset" value="reset">
</td>
</tr>
</table>
</form>
</body>
</html>
```

Validation.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Validation Page</title>
</head>
<body>
<%! String uid="ISEStudent"; %>
```

```

<%! String pass="ise-dsce"; %>
<%! String id, password; %>
<% id=request.getParameter("uname"); %>
<% password=request.getParameter("password"); %>
<% if(uid.equals(id)&&pass.equals(password))
{
%>
<jsp:forward page="welcome.jsp"/>
<%
}
else {
%>
<jsp:forward page="error.jsp" />
<%
}
%>

```

Welcome.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title> Welcome Page</title>
</head>
<body>
    <center>
        <%! String id; %>
        <% id=request.getParameter("uname"); %>
        <h1> Welcome <%=id%> </h1>
        <br />
        <h1> to the home page </h1>
    </center>
</body>
</html>

```

Web.xml

```

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-
app_3_1.xsd" id="WebApp_ID" version="3.1">

```



```

<display-name>Login</display-name>
<welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.jsp</welcome-file>
    <welcome-file>default.htm</welcome-file>
</welcome-file-list>
</web-app>

```

-----Program-12-----

```

fontSize.jsp
<html>
<head>
<meta charset="utf-8" />
<title>lab program</title>
</head>
<body bgcolor = "yellow">
<center>
<b><i>
<%for(int i=1;i<=7;i++){ %>
<font face = "Arial" color="blue" size="<%=i %>">
Java Lab
<br></br>
</font>
<%} %>
</i></b>
</center>
</body>
</html>

```

