



# MUMBAI EDUCATIONAL TRUST

## MET INSTITUTE OF COMPUTER SCIENCE



Practical No. :	09
Roll No. :	1520
Title of Practical :	JSP using Bean & Session
Objective :	Write a JSP program to 1. Create a Login Application with Bean 2. Create a Counter Application Using Session

### 1.Create a Login Application with Bean

#### CODE :

##### UserBean.java

```
package edu.met.p1;

public class UserBean {

    private String uname;
    private String password;

    public String getUname() {
        return uname;
    }

    public void setUname(String uname) {
        this.uname = uname;
    }

    public String getPassword() {
        return password;
    }
}
```

```

    }

    public void setPassword(String password) {
        this.password = password;
    }

    public UserBean() {
        // TODO Auto-generated constructor stub
    }

    //validate to check uname and password
    public boolean validate()
    {
        if(this.uname.equals("Shanti") && this.password.equals("1234"))
        {
            return true;
        }
        else
        {
            return false;
        }
    }
}

```

## Login.jsp

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Login Application</title>
</head>
<body>
    <h2>Login Page</h2>
    <hr>
    <table border="1">
        <form action="CheckLogin.jsp">
            <tr><td>Enter Username : </td>

```

```

        <td><input type="text" name="uname"></td>
    </tr>
    <tr><td>Enter Password : </td>
    <td><input type="password" name="password"></td>
    </tr>
    <tr>
    <td><input type="reset" name="btnReset"
value="Reset"></td>
    <td><input type="submit" name="btnSub"
value="Login"></td>
    </tr>
</form>
</table>
</body>
</html>

```

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/LoginApplicationV2Beans/Login.jsp'. The page content includes a large heading 'Login Page' and a form with the following elements:

- A label 'Enter Username :' followed by a text input field containing the value 'Shanti'.
- A label 'Enter Password :' followed by a password input field containing four dots '....'.
- Two buttons at the bottom: 'Reset' and 'Login'.

### CheckLogin.jsp

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<html>
<head>
</head>

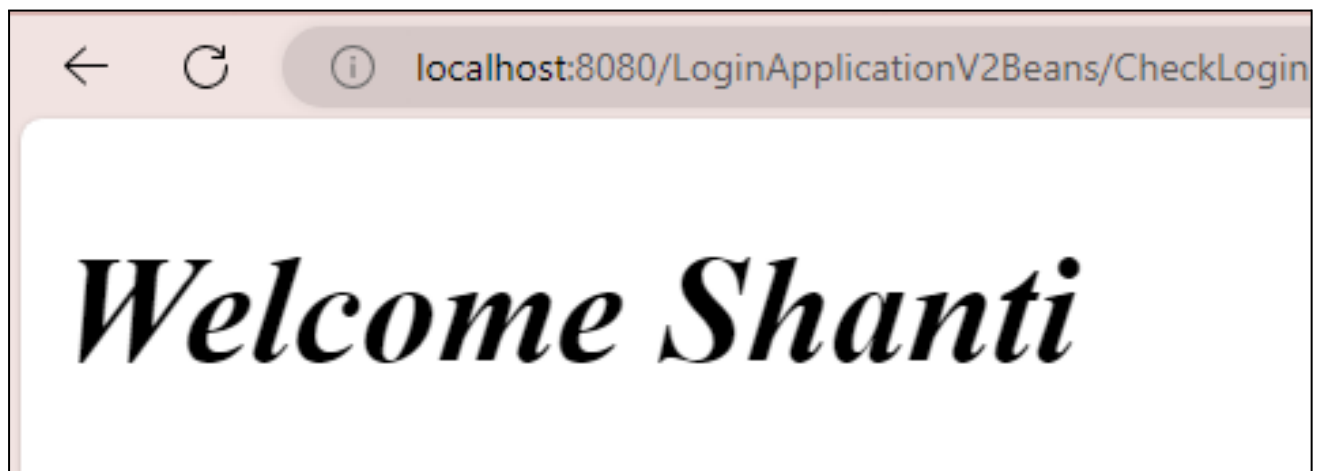
```

```
<body>
  <jsp:useBean id="userBean" class="edu.met.p1.UserBean"/>
  <jsp:setProperty property="*" name="userBean"/>

  <%
    if(userBean.validate())
  %>
    <jsp:forward page="Welcome.jsp"/>
  <%
  %>
    }
    else
  %>
    <jsp:forward page="InvalidUser.jsp"/>
  <%
  %>
    }
  %>
</body>
</html>
```

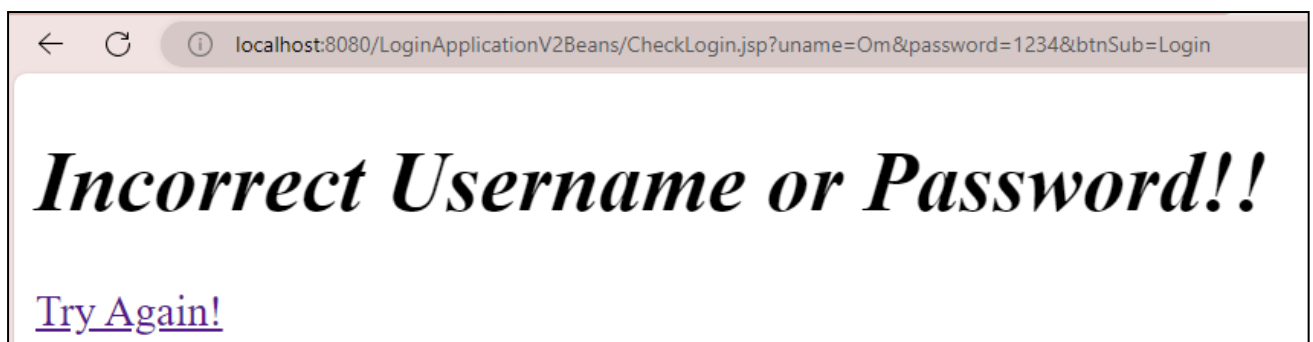
## Welcome.jsp

```
<html>
<head>
<title>Welcome Page</title>
</head>
<body>
<h1><i>Welcome <%= request.getParameter("uname") %> </i></h1>
</body>
</html>
```



## InvalidUser.jsp

```
<html>
<head>
<title>Error Page</title>
</head>
<body>
<h1><i>Incorrect Username or Password!!</i></h1>
<a href="Login.jsp">Try Again!</a>
</body>
</html>
```



## 2. Create a Counter Application Using Session

### CODE:

#### CounterUsingSession.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Insert title here</title>
</head>
<body>
    <%! int cnt=0; %>
    Session Id: <%= session.getId() %>
    <%
```

```

//Display
if(session.getAttribute("cntr")==null)
{
    //1)Create Session Attribute
    session.setAttribute("cntr", "1");
    //2)Display Message
    out.println("<h1>This is Your First Visit!</h1>");
}
else
{
    //3)Fetch the old value of counter
    cnt=Integer.parseInt(session.getAttribute("cntr").toString());
    //4)Increment and Display
    cnt=cnt+1;
    out.println("<h1>This is Your Visit Number: </h1>"+(cnt));
    //5)Update the counter
    session.setAttribute("cntr", ""+cnt);
}
%>
</body>
</html>

```

## OUTPUT:

