6. Write a java JSP program to get student information through a HTML and create a JAVA Bean Class, populate Bean and Display the same information through another JSP

Index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Information Form</title>
</head>
<body>
    <h2>Student Information Form</h2>
    <form action="process_student.jsp" method="post">
        <table>
            <tr>
                <td><label for="firstName">First Name:</label></td>
                <td><input type="text" id="firstName" name="firstName"></td>
            </tr>
            <tr>
                <td><label for="surname">Last Name:</label></td>
                <td><input type="text" id="surname" name="surname"></td>
            </tr>
            <tr>
                <td><label for="usn">USN:</label></td>
                <td><input type="text" id="usn" name="usn"></td>
            </tr>
            <tr>
                <td><label for="course">Course:</label></td>
                <td><input type="text" id="course" name="course"></td>
            </tr>
            <tr>
                <td><label for="sem">Semester:</label></td>
                <td><input type="text" id="sem" name="sem"></td>
            </tr>
            <tr>
                <td><label for="age">Age:</label></td>
                <td><input type="text" id="age" name="age"></td>
            </tr>
            <tr>
                <td><label for="address">Address:</label></td>
                <td><input type="text" id="address" name="address"></td>
            </tr>
        </table>
        <input type="submit" value="Submit">
    </form>
</body>
</html>
```

```jsp
<%@ page import="com.student.Student" %>
<%@ page import="java.io.*" %>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<%
    // Create a new instance of Student Bean
    Student student = new Student();

    // Populate the bean with form data
    student.setFirstName(request.getParameter("firstName"));
    student.setSurname(request.getParameter("surname"));
    student.setUsn(request.getParameter("usn"));
    student.setCourse(request.getParameter("course"));
    student.setSem(request.getParameter("sem"));
    student.setAge(request.getParameter("age"));
    student.setAddress(request.getParameter("address"));

    // Store the bean in session
    session.setAttribute("student", student);
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Information Processed</title>
</head>
<body>
    <h2>Student Information Processed</h2>
    <p>Student information has been stored.</p>
    <a href="display_student.jsp">View Student Information</a>
</body>
</html>
```

display_student.jsp

```jsp
<%@ page import="com.student.Student" %>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Information</title>
</head>
<body>
    <h2>Student Information</h2>
    <%
```

```jsp
    // Retrieve the stored student bean from session
    Student student = (Student) session.getAttribute("student");
%>
<p>First Name: <%= student.getFirstName() %></p>
<p>Last Name: <%= student.getSurname() %></p>
<p>USN: <%= student.getUsn() %></p>
<p>Course: <%= student.getCourse() %></p>
<p>Semester: <%= student.getSem() %></p>
<p>Age: <%= student.getAge() %></p>
<p>Address: <%= student.getAddress() %></p>
</body>
</html>
```

Student.java (Create package named student , under student package add java class named Student)

```java
package com.student;
import java.io.Serializable;
public class Student implements Serializable {
    private String firstName;
    private String surname;
    private String usn;
    private String course;
    private String sem;
    private String age;
    private String address;

    // Getters and Setters
    public String getFirstName() {
        return firstName;
    }

    public void setFirstName(String firstName) {
        this.firstName = firstName;
    }

    public String getSurname() {
        return surname;
    }

    public void setSurname(String surname) {
        this.surname = surname;
    }

    public String getUsn() {
        return usn;
    }
```

```java
    public void setUsn(String usn) {
        this.usn = usn;
    }

    public String getCourse() {
        return course;
    }

    public void setCourse(String course) {
        this.course = course;
    }

    public String getSem() {
        return sem;
    }
    public void setSem(String sem) {
        this.sem = sem;
    }
    public String getAge() {
        return age;
    }
    public void setAge(String age) {
        this.age = age;
    }
    public String getAddress() {
        return address;
    }
    public void setAddress(String address) {
        this.address = address;
    }
}
```