**Objectives: Write jsp application program to login page.**

**Theory:**

**JSP:**

Java Server Pages (JSP) technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, JSTL, etc. A JSP page consists of HTML tags and JSP tags. The JSP pages are easier to maintain than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags, etc.

**Source Code:**

**//** **ControllerServlet.java file**

package com.innovator.user;

import java.io.IOException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.innovator.ControllerServlet.LoginBean;

public class ControllerServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

            throws ServletException, IOException {

        response.setContentType("text/html");

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

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

        LoginBean bean=new LoginBean();

        bean.setName(name);

        bean.setPassword(password);

        request.setAttribute("bean",bean);

        boolean status=bean.validate();

        if(status){

            RequestDispatcher rd=request.getRequestDispatcher("login-success.jsp");

            rd.forward(request, response);

        }

        else{

            RequestDispatcher rd=request.getRequestDispatcher("login-error.jsp");

            rd.forward(request, response);

        }

    }

    @Override

    protected void doGet(HttpServletRequest req, HttpServletResponse resp)

            throws ServletException, IOException {

        doPost(req, resp);

    }

}

**//** **LoginBean.java**

package com.innovator.ControllerServlet;

public class LoginBean {

    private String name,password;

    public String getName() {

        return name;

    }

    public void setName(String name) {

        this.name = name;

    }

    public String getPassword() {

        return password;

    }

    public void setPassword(String password) {

        this.password = password;

    }

    public boolean validate(){

        if(password.equals("saugat"))

            return true;

        else

            return false;

    }

    }

**//index.jsp**

<html>

  <body>

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

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

      Password:<input type="password" name="password" /><br />

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

    </form>

  </body>

</html>

**//login-error.jsp**

<p>Sorry! username or password error</p>

<%@ include file="index.jsp" %>

**//login-success.jsp**

<%@page import="com.javatpoint.LoginBean"%>

<p>You are successfully logged in!</p>

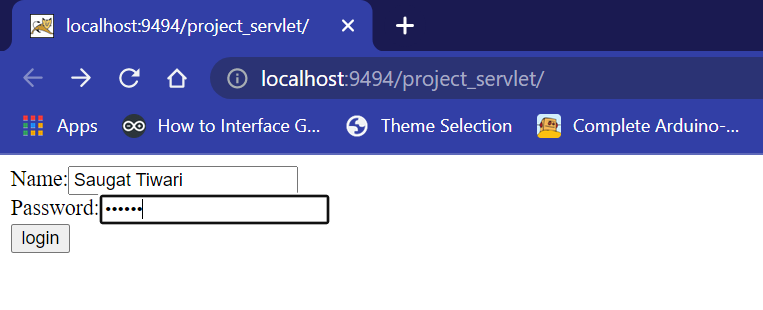
<%

LoginBean bean=(LoginBean)request.getAttribute("bean");

out.print("Welcome, "+bean.getName());

%>

**Output:**

****

**Conclusion:**

In this lab of Advanced Java Programming, we successfully implemented the concept of JSP using Maven and Tomcat server in visual studio code.