

Problem statement : **MVC(Model View Controller)**

LoginBean.java(Model)

```
package com.pu;  
import java.lang.*;  
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("admin")){  
            return true;  
        }  
        else{  
            return false;  
        }  
    }  
}
```

Index.jsp(View)

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<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>
```

ControllerServlet.java(Controller)

```
package com.pu;

import jakarta.servlet.*;
import jakarta.servlet.ServletException;
import jakarta.servlet.ServletRequest;
import jakarta.servlet.ServletResponse;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.*;

/**
 * Servlet implementation class ControllerServlet
 */
public class ControllerServlet extends HttpServlet {
```

```

        private static final long serialVersionUID = 1L;

        /**
         * @see HttpServlet#HttpServlet()
         */
        public ControllerServlet() {
            super();
            // TODO Auto-generated constructor stub
        }

        /**
         * @see HttpServlet#doPost(HttpServletRequest request,
         HttpServletResponse response)
         */
        protected void doPost(HttpServletRequest request,
            HttpServletResponse response) throws ServletException, IOException {
            // TODO Auto-generated method stub
            response.setContentType("text/html");
            PrintWriter out=response.getWriter();
            // returns a PrintWriter object that can send character text to the client.
            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);
            }

        }

    }
}

```

login-success.jsp(view)

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<%@page import="com.pu.LoginBean"%>
<p>You are successfully logged in!</p>
<%
LoginBean bean=(LoginBean)request.getAttribute("bean");
out.print("Welcome, "+bean.getName());
%>

</body>
</html>
```

login-error.jsp(View)

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<%@ include file="Index.jsp" %>
<p>Sorry! username or password error</p>
</body>
</html>
```