**Practical 3a)**

**Q.Using RequestDispatcher Interface create a Servlet which will validate the password entered by the user, if the user has entered "Servlet" as password, then he will be forwarded to Welcome Servlet else the user will stay on the index.html page and an error message will be displayed.**

**index.html**

<!DOCTYPE html>

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<h1>Login Form</h1>

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

Name : &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type="text" name="uname"> <br><br>

Password : &nbsp; <input type="password" name="upass"><br><br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type="submit" value="Login">

</form>

</body>

</html>

**MainServlet.java**

**import javax.servlet.RequestDispatcher;**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class MainServlet extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

try (PrintWriter out = response.getWriter()) {

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet MainServlet</title>");

out.println("</head>");

out.println("<body>");

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

String p=request.getParameter("upass");

if(n.equals("admin")&&p.equals("Servlet"))

{

RequestDispatcher rd=request.getRequestDispatcher("SecondServlet");

rd.forward(request,response);

}

else

{

out.print("Sorry username or password error");

RequestDispatcher rd=request.getRequestDispatcher("/index.html");

rd.include(request,response);

}

out.println("</body>");

out.println("</html>");

}

}

}

**SecondServlet.java**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class SecondServlet extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

try (PrintWriter out = response.getWriter()) {

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet SecondServlet</title>");

out.println("</head>");

out.println("<body>");

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

out.println("<h1>Welcome!!!</h1>"+name);

out.println("</body>");

out.println("</html>");

}

}

}

**Output**



