**Practical-5**

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**Roll no : 130**

**Title : Develop an application to keep track of one user across several Servlet invocations within the same browser session. Use Session tracking and Cookies**

**Java Code:**

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| **import java.io.IOException;**  **import java.io.PrintWriter;**  **import java.util.Enumeration;**  **import javax.servlet.ServletException;**  **import javax.servlet.annotation.WebServlet;**  **import javax.servlet.http.HttpServlet;**  **import javax.servlet.http.HttpServletRequest;**  **import javax.servlet.http.HttpServletResponse;**  **import javax.servlet.http.HttpSession;**  **@WebServlet(urlPatterns = {"/Login"})**  **public class LogIn extends HttpServlet {**    **@Override**  **protected void doGet(HttpServletRequest request, HttpServletResponse response)**  **throws ServletException, IOException {**  **String username = request.getParameter("username");**  **String password = request.getParameter("password");**  **PrintWriter writer = response.getWriter();**  **HttpSession session = request.getSession(true);**  **session.setAttribute("username", username);**  **session.setAttribute("password", password);**  **if(username.equals("naman") && password.equals("1234")){**  **try{**  **response.setContentType("text/html;charset=UTF-8");**  **writer.println("<html><link rel=\"stylesheet\" href=\"style.css\"><body>");**  **writer.println("Thank You, "+username+". You are now Logged in");**  **if(session == null){**  **writer.println("<p>You are not logged in</p>");**  **}else{**  **writer.println("Your details are: ");**  **Enumeration names = session.getAttributeNames();**  **while(names.hasMoreElements()){**  **String name = (String) names.nextElement();**  **Object value = session.getAttribute(name);**  **writer.println("<p>Name = "+name+" Value = "+value+"</p>");**  **}**  **}**  **writer.println("<p><a href=\"index.html\"> Return </a>to login page</p>");**  **writer.println("</body></html>");**  **writer.close();**  **}catch(Exception e){**  **e.printStackTrace();**  **}**  **}else{**  **writer.println("Authentication Failed!!!");**  **}**  **}**    **}** |

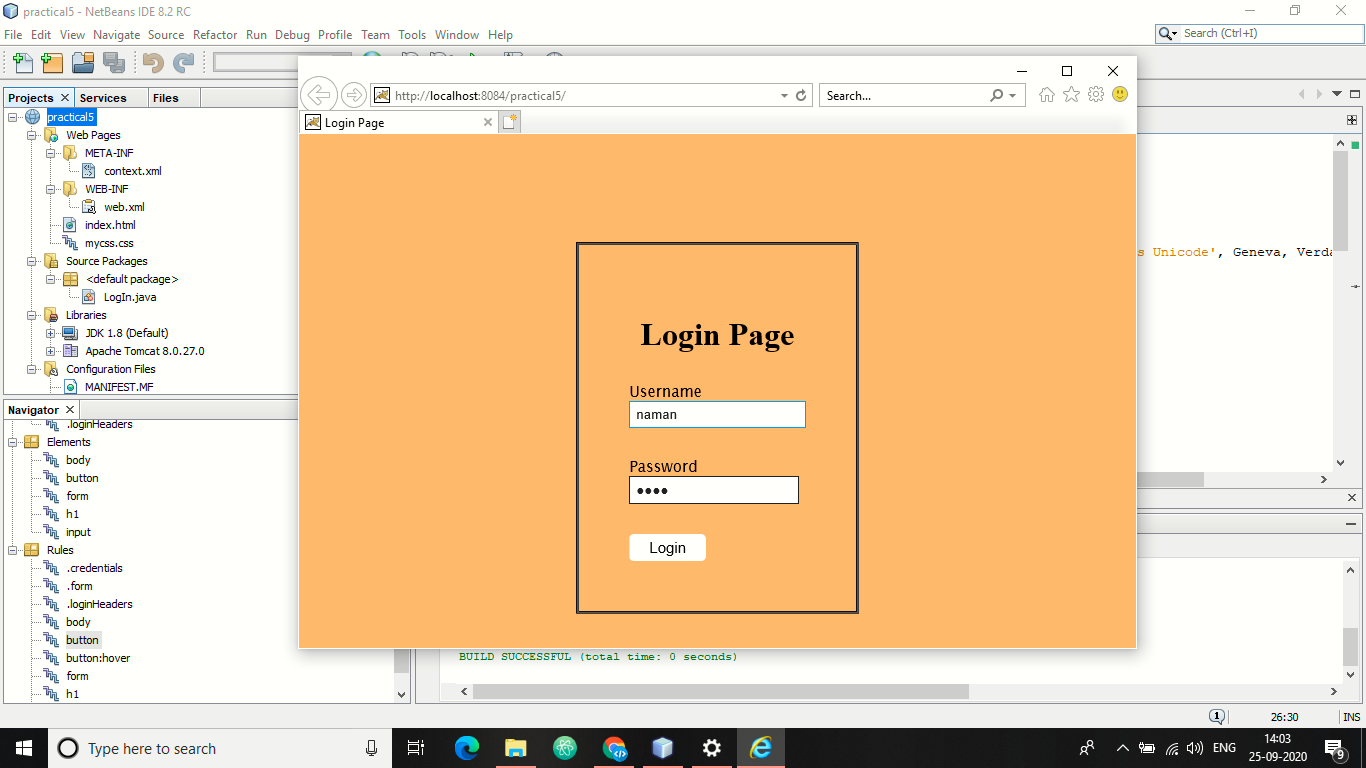
**HTML code:**

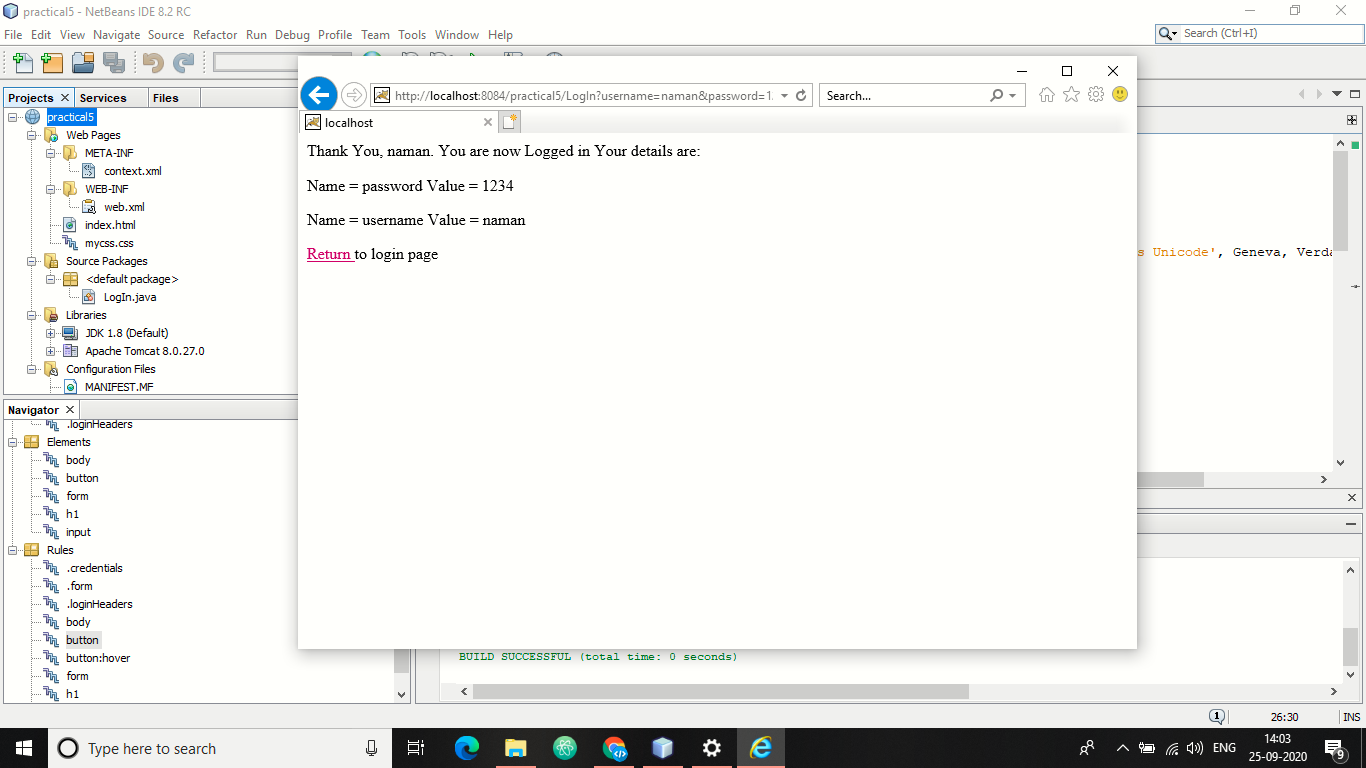
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| **<html>**  **<head>**  **<title>Login Page</title>**  **<meta charset="UTF-8">**  **<meta name="viewport" content="width=device-width, initial-scale=1.0">**  **<link rel="stylesheet" href="mycss.css">**  **</head>**  **<body>**  **<div class="form">**  **<form action="LogIn" method="get">**  **<h1>Login Page</h1>**  **<div class="credentials">**  **<div class="loginHeaders">**  **Username**  **</div>**  **<input type="text" name="username" id="username">**  **</div>**  **<div class="credentials">**  **<div class="loginHeaders">**  **Password**  **</div>**  **<input type="password" name="password" id="password">**  **</div>**  **<div class="buttons credentials">**  **<button type="submit">Login</button>**  **</div>**  **</form>**  **</div>**  **</body>**  **</html>** |

**Css Code:**

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| **body{**  **background-color: rgb(247, 185, 121);**  **}**  **.loginHeaders{**  **font-size: 15px;**  **font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif;**  **}**  **.form{**  **display: flex;**  **justify-content: center;**  **position: relative;**  **top: 100px;**  **}**  **input{**  **padding: 5px 20px 5px 5px;**  **}**  **button{**  **border-style: none;**  **border-radius: 5px;**  **font-size: 15px;**  **padding: 5px 20px;**  **background-color: rgb(733, 634, 659);**  **}**  **button:hover{**  **background-color: rgb(85, 19, 74);**  **}**  **.credentials{**  **display: block;**  **margin-top: 30px;**  **}**  **h1{**  **display: flex;**  **justify-content: center;**  **}**  **form{**  **width: fit-content;**  **border-style: groove;**  **display: grid;**  **padding: 50px;**  **justify-content: center;**  **}** |

**OUTPUT:**

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