❖ **Create a registration and login JSP application to register and authenticate the user based on username and password using JDBC.**

➢ **Code:**

## ● **index.html**

<html>

<head>

<title>Register Page</title>

<meta charset="UTF-8">

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

</head>

<body>

<form action="register.jsp" method="post">

<h3>Aditya Barai</h3>

Enter User Name: <input type="text" name="t1" ><br><br>

Enter Password: <input type="password" name="t2" ><br><br>

Enter Email: <input type="text" name="t3" ><br><br>

Enter Country Name: <input type="text" name="t4" ><br><br>

<input type="reset" value="RESET" /> <input type="submit" value="SUBMIT" /><br><br>

<b>Existing User? </b><a href="index.html"> Login Here!</a>

</form>

</body>

</html>

**register.jsp**

<%--

Document : register

Created on : 5 Sept 2024, 3:33:52 pm

Author : IT LAB PC NO 26

--%>

<%--

Document : register

Created on : 5 Sept 2024, 3:07:53 pm

Author : IT LAB PC NO 27

--%>

<%@page contentType="text/html" pageEncoding="UTF-8" import="java.sql.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<%

try {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/logindb", "root", "123456");

PreparedStatement ps = con.prepareStatement("INSERT INTO user VALUES (?, ?, ?, ?)");

ps.setString(1, request.getParameter("t1"));

ps.setString(2, request.getParameter("t2"));

ps.setString(3, request.getParameter("t3"));

ps.setString(4, request.getParameter("t4"));

ps.executeUpdate();

con.close();

response.sendRedirect("index.html");

} catch (Exception e) {

out.println(e.getMessage());

}

%>

</body>

</html>

**Login.html** <!DOCTYPE html>

<!--

Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

Click nbfs://nbhost/SystemFileSystem/Templates/JSP\_Servlet/Html.html to edit this template

-->

<html>

<head>

<title>Login Page</title>

<meta charset="UTF-8">

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

</head>

<body>

<form action="login.jsp" method="post">

<h3>Aditya Barai</h3>

User Name: <input type="text" name="t1"/><br><br>

Password: <input type="password" name="p1"/><br><br>

<input type="reset" value="RESET" /> <input type="submit" value="SUBMIT" /><br><br>

<b>New User? </b><a href="register.html"> Register Here!</a>

</form>

</body>

</html>

**login.jsp**

<%--

Document : login

Created on : 5 Sept 2024, 3:32:52 pm

Author : IT LAB PC NO 26

--%>

<%--

Document : login

Created on : 5 Sept 2024, 3:07:19 pm

Author : IT LAB PC NO 27

--%>

<%@page contentType="text/html" pageEncoding="UTF-8" import="java.sql.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<%

try {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/logindb", "root", "123456");

PreparedStatement ps = con.prepareStatement("SELECT \* FROM user WHERE name = ? AND password = ?");

ps.setString(1, request.getParameter("t1"));

ps.setString(2, request.getParameter("p1"));

ResultSet rs = ps.executeQuery();

if (rs.next()){

out.println("<h1>Valid</h1>");

}else {

out.println("<h1>Invalid</h1>");

}

} catch (Exception e) {

out.println(e.getMessage());

}

%>

</body>

</html>