Index.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Login Form</title>

</head>

<body>

<div align="center">

<h1>Employee Login Form</h1>

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

<table style="width: 100%">

<tr>

<td>UserName</td>

<td><input type="text" name="username" /></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password" name="password" /></td>

</tr>

</table>

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

</form>

</div>

</body>

</html>

Web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>userServlet</servlet-name>

<servlet-class>week7.UserServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>userServlet</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

<welcome-file-list>

<welcome-file>login.html</welcome-file>

</welcome-file-list>

</web-app>

UserServlet.java

package week7;

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.sql.\*;

public class UserServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

private void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

try {

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

Connection con = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/sampledb", "satyam", "testpass123"); // Adjust your username and password

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

ps.setString(1, username);

ps.setString(2, password);

ResultSet rs = ps.executeQuery();

if (rs.next()) {

String name = rs.getString("name"); // Retrieve the name column

out.println("Welcome, " + name + "!");

} else {

out.println("Invalid username or password.");

}

con.close();

} catch (Exception e) {

out.println("Error: " + e.getMessage());

} finally {

out.close();

}

}

}

mysql> CREATE TABLE USERS (name varchar(100), username varchar(100), password varchar(100));

Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO USERS values ('Satyam Mayengbam','satyammay123@gmail.com','SSatyam123..');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO USERS values ('Nancy Kongbrailatpam','nancy@gmail.com','NNancy123..');

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM USERS;

+----------------------+------------------------+--------------+

| name | username | password |

+----------------------+------------------------+--------------+

| Satyam Mayengbam | satyammay123@gmail.com | SSatyam123.. |

| Nancy Kongbrailatpam | nancy@gmail.com | NNancy123.. |

+----------------------+------------------------+--------------+

2 rows in set (0.00 sec)

mysql> CREATE USER 'satyam'@'localhost' IDENTIFIED BY 'testpass123';

Query OK, 0 rows affected (0.00 sec)

mysql> GRANT ALL PRIVILEGES ON sampledb.\* TO 'satyam'@'localhost';

Query OK, 0 rows affected (0.00 sec)

mysql> Flush Privileges;

Query OK, 0 rows affected (0.01 sec)

mysql> describe USERS;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| name | varchar(100) | YES | | NULL | |

| username | varchar(100) | YES | | NULL | |

| password | varchar(100) | YES | | NULL | |

+----------+--------------+------+-----+---------+-------+

3 rows in set (0.00 sec)