

Q1) Write a JSP application to accept the details of Teacher (TID, TName, Salary) and display it in tabular format.

→<%@ page language="java" contentType="text/html; charset=UTF-8"%>

<html>

<head>

<title>Teacher Form</title>

</head>

<body>

<h2>Enter Teacher Details</h2>

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

<label for="tid">Teacher ID:</label>

<input type="text" name="tid" required />

<label for="tname">Teacher Name:</label>

<input type="text" name="tname" required />

<label for="salary">Salary:</label>

<input type="number" name="salary" required />

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

</form>

</body>

</html>

<%@ page language="java" contentType="text/html; charset=UTF-8"%>

<html>

<head>

<title>Teacher Details</title>

<style>

table, th, td {

border: 1px solid black;

border-collapse: collapse;

padding: 8px;

}

</style>

</head>

<body>

<h2>Teacher Information</h2>

<%

```
String tid = request.getParameter("tid");
String tname = request.getParameter("tname");
String salary = request.getParameter("salary");
%>
```

```
<table>
  <tr>
    <th>Teacher ID</th>
    <th>Teacher Name</th>
    <th>Salary</th>
  </tr>
  <tr>
    <td><%= tid %></td>
    <td><%= tname %></td>
    <td><%= salary %></td>
  </tr>
</table>
</body>
</html>
```

Q.2) Design the table User (username, password) using Database. Design HTML login screen. Accept the user name and password from the user. Write a servlet program to accept the login name and password and validates it from the database you have created. If it is correct then display Welcome.html otherwise display Error.html.

→mysql

```
CREATE DATABASE loginDB;
```

```
USE loginDB;
```

```
CREATE TABLE User (
  username VARCHAR(50) PRIMARY KEY,
  password VARCHAR(50)
);
```

```
INSERT INTO User (username, password) VALUES ('admin', 'admin123'), ('testuser', 'testpass');
```

Html

```
<!DOCTYPE html>
<html>
<head>
  <title>Login Page</title>
```

```

</head>
<body>
    <h2>Login</h2>
    <form action="LoginServlet" method="post">
        <label>Username:</label>
        <input type="text" name="username" required><br><br>
        <label>Password:</label>
        <input type="password" name="password" required><br><br>
        <input type="submit" value="Login">
    </form>
</body>
</html>

```

Java

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

```

```

public class LoginServlet extends HttpServlet {
    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        String uname = request.getParameter("username");
        String pass = request.getParameter("password");

        Connection conn = null;
        PreparedStatement stmt = null;
        ResultSet rs = null;

        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/loginDB", "root",
"your_password");

            String sql = "SELECT * FROM User WHERE username=? AND password=?";
            stmt = conn.prepareStatement(sql);
            stmt.setString(1, uname);
            stmt.setString(2, pass);

            rs = stmt.executeQuery();

```

```
if (rs.next()) {
    // Login successful
    response.sendRedirect("Welcome.html");
} else {
    // Login failed
    response.sendRedirect("Error.html");
}

} catch (Exception e) {
    e.printStackTrace();
    response.getWriter().println("Database error!");
} finally {
    try { if (rs != null) rs.close(); } catch (Exception e) {}
    try { if (stmt != null) stmt.close(); } catch (Exception e) {}
    try { if (conn != null) conn.close(); } catch (Exception e) {}
}
}
}
```