

### **HTML Page (LoginPage.html):**

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Login Page</title>
</head>
<body>
<form action="Login_Servlet" method="post">
  <h1>Login</h1>
  <label>Username</label>
  <input type="text" name="username"><br><br>
  <label>Password</label>
  <input type="password" name="password"><br><br>
  <input type="submit" value="Submit"><br/>
</form>
</body>
</html>
```

### **JDBCDAO Java Program (JDBCDAO.java):**

```
import java.sql.*;

public class JDBCDAO {
    public ResultSet checkUserData(String str) {
        String driver = "com.mysql.cj.jdbc.Driver";
        String url = "jdbc:mysql://localhost:3306/exp7";
        String user = "root";
        String pass = "Avish@101";
        ResultSet rs = null;

        try {
            Class.forName(driver);
            Connection con = DriverManager.getConnection(url, user, pass);
            String query = "SELECT * FROM UserInfo WHERE username=?";
            PreparedStatement pstmt = con.prepareStatement(query);
            pstmt.setString(1, str);
            rs = pstmt.executeQuery();
        } catch (Exception e) {
            System.out.println(e);
        }
        return rs;
    }
}
```

### **Servlet Program (Login\_Servlet.java):**

```
import java.io.IOException;
```

```

import java.sql.*;
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

@WebServlet("/Login_Servlet")
public class Login_Servlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public Login_Servlet() {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {
        response.getWriter().append("Served at:
").append(request.getContextPath());
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {
        response.setContentType("text/html");

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

        response.getWriter().print("Client: Username - " + username + "<br>");
        response.getWriter().print("Client: Password - " + password + "<br><br>");

        String un = "";
        String pas = "";
        JDBCDAO ud = new JDBCDAO();
        ResultSet rs = ud.checkUserData(username);

        boolean credentialsMatch = false;
        try {
            while (rs.next()) {
                un = rs.getString(1);
                pas = rs.getString(2);
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

```

```

response.getWriter().print("Server: Username - " + un + "<br>");
response.getWriter().print("Server: Password - " + pas + "<br>");

if (pas.equals(password) && un.equals(username)) {
    credentialsMatch = true;
    response.getWriter().print("Username and Password Matched!<br>");
    break;
}

if (credentialsMatch) {
    response.getWriter().print("<br>Username and Password matched.");
} else {
    response.getWriter().print("<br>Username and Password did not
match.");
}
} catch (SQLException e) {
    e.printStackTrace();
}
}
}

```