

Lab 4: Write a servlet application for user authentication (use JDBC). Also display various contents using request object and response object.

Index.html

```
<!DOCTYPE html>

<html>

<head>

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

<title>Login</title>

</head>

<body>

    <form action="/Practical4/Servlet_1" method="post">

        <input type="text" placeholder="Enter Username" name="uid">

        <input type="text" placeholder="Enter Password" name="pwd">

        <input type="submit" value="Login">

    </form>

</body>

</html>
```

Servlet1

```
package edu.keval;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
```

```

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/Servlet_1")
public class Servlet_1 extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public Servlet_1() {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        //response.getWriter().append("Served at:
").append(request.getContextPath());
        process(request, response);
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        process(request, response);
    }

    void process (HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        String userName = request.getParameter("uid");
        String passWord = request.getParameter("pwd");
    }
}

```

```

        PrintWriter out = response.getWriter();

        try {
            DriverManager.registerDriver(new com.mysql.jdbc.Driver());

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

            Statement stm = con.createStatement();

            String q = "Select * from credit";

            ResultSet rs = stm.executeQuery(q);

            while(rs.next())
            {
                if (rs.getInt("id")>0) {

                    if (rs.getString("username").equals(userName) &&
rs.getString("password").equals(passWord)) {

                        out.println("Login Successfull!");

                    }

                    else

                    {

                        out.println("Username or Passwrod is Invalid");

                    }

                }

            }

            rs.close();

            stm.close();

            con.close();

        } catch (Exception e) {

            out.println(e.getMessage());

        }

    }

}

```