



## Practical A Data Driven Servlet Application

4.

### \* LoginForm.html

```
<html>
  <body>
    <h2>Login Form </h2>
    <form action = "Authenticate" method = "post">
      <label for = "username">Username: </label>
      <input type = "text" id = "username" name =
        "username"
        required>
      <label for = "password">Password: </label>
      <input type = "password" id = "password"
        name = "password"
        required>
      <button type = "submit">Login </button>
    </form>
  </body>
</html>
```





## \* AuthenticateServlet.java

```
import java.io.*;  
import java.sql.*;  
import jakarta.servlet.ServletException;  
import jakarta.servlet.annotation.WebServlet;  
import jakarta.servlet.http.*;
```

⑨ WebServlet ("/Authenticate")

```
public class AuthenticateServlet extends HttpServlet {  
    private static final long serialVersionUID = 1L;
```

```
    protected void doPost(HttpHttpServletRequest request,  
        HttpServletResponse response) throws ServletException,  
        IOException {
```

```
        response.setContentType("text/html");  
        PrintWriter out = response.getWriter();
```

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

```
        boolean isAuthenticated = false;
```

```
        try {
```

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

```
            Connection conn =
```

```
                DriverManager.getConnection("jdbc:mysql://localhost:3306/  
                    servlets", "root", "");
```





```
String sql = "SELECT * FROM users WHERE  
username = ? AND password = ?";
```

```
PreparedStatement pstmt = conn.prepareStatement(sql);  
pstmt.setString(1, username);  
pstmt.setString(2, password);
```

```
ResultSet rs = pstmt.executeQuery();  
isAuthenticated = rs.next();
```

```
conn.close();  
} catch (Exception e) {  
    e.printStackTrace();  
}
```

```
if (isAuthenticated) {  
    out.println("<h1> Welcome, " + username +  
        "! </h1>");
```

```
} else {  
    out.println("<h2> Request Headers: </h2>");
```

```
request.getHeaderNames().asIterator().forEachRemaining  
    (headerName -> {
```

```
    out.println(headerName + ": " +  
        request.getHeader(headerName) + "<br>"); } });
```





```
response.addHeader("Custom-Header", "This is  
Darshan and I am your header");
```

```
out.println("<h2>Response Headers: </h2>");  
response.getHeaderNames().forEach(HeaderName ->  
{ out.println(HeaderName + ": " +  
response.getHeader(HeaderName) + "<br>");  
});
```

```
out.close();
```

```
}
```

```
}
```