

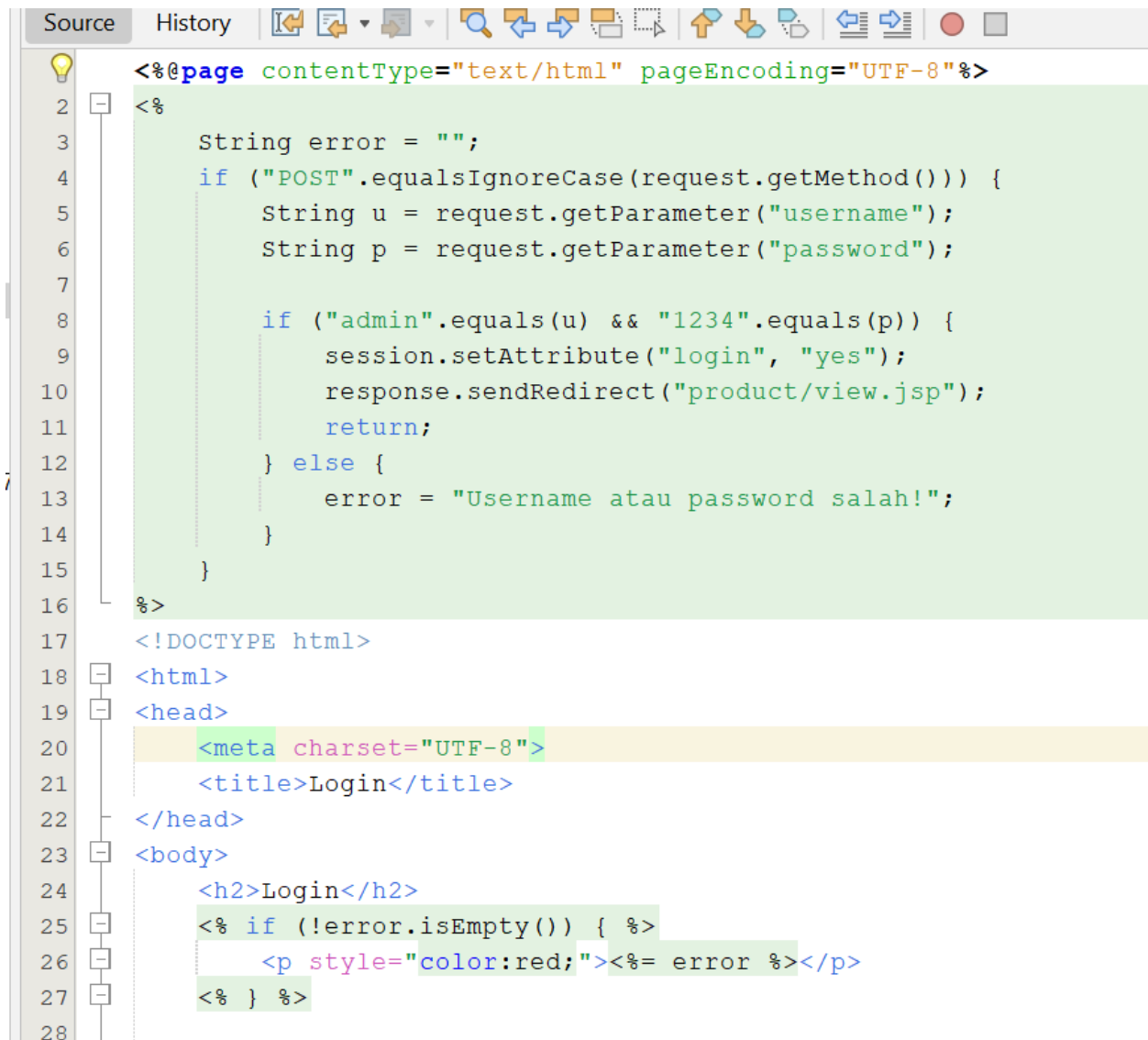
Nama : Arina Rahmanian Nbaila

Kelas : IT – 47 - 05

NIM : 103032300129

## TP MODUL 15

### Index.jsp



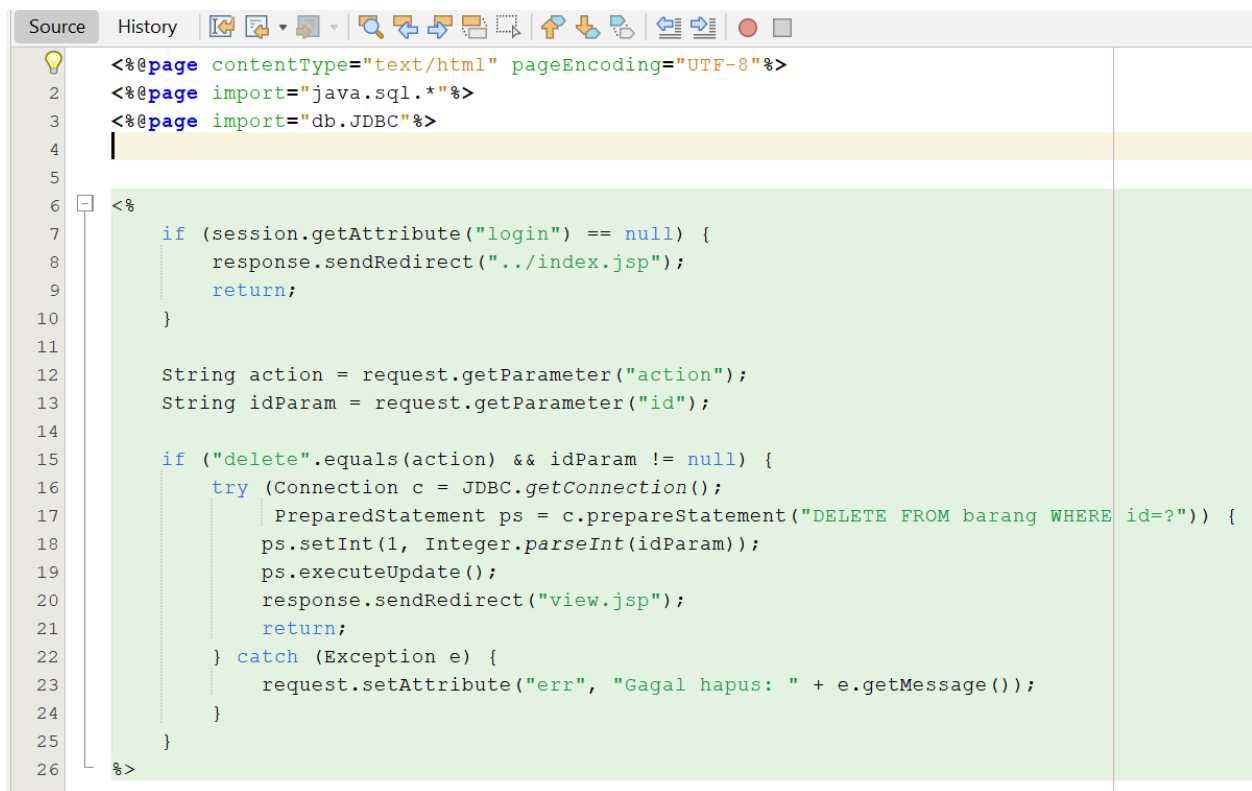
```
Source History
1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%
3     String error = "";
4     if ("POST".equalsIgnoreCase(request.getMethod())) {
5         String u = request.getParameter("username");
6         String p = request.getParameter("password");
7
8         if ("admin".equals(u) && "1234".equals(p)) {
9             session.setAttribute("login", "yes");
10            response.sendRedirect("product/view.jsp");
11            return;
12        } else {
13            error = "Username atau password salah!";
14        }
15    }
16 %>
17 <!DOCTYPE html>
18 <html>
19 <head>
20     <meta charset="UTF-8">
21     <title>Login</title>
22 </head>
23 <body>
24     <h2>Login</h2>
25     <% if (!error.isEmpty()) { %>
26         <p style="color:red;"><%= error %></p>
27     <% } %>
28
```

```

29 <form method="post">
30     <label>Username</label><br>
31     <input type="text" name="username" required><br><br>
32
33     <label>Password</label><br>
34     <input type="password" name="password" required><br><br>
35
36     <button type="submit">Login</button>
37 </form>
38 </body>
39 </html>

```

## View.jsp



```

Source History
<%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%@page import="java.sql.*"%>
3 <%@page import="db.JDBC"%>
4
5
6 <%
7     if (session.getAttribute("login") == null) {
8         response.sendRedirect("../index.jsp");
9         return;
10    }
11
12    String action = request.getParameter("action");
13    String idParam = request.getParameter("id");
14
15    if ("delete".equals(action) && idParam != null) {
16        try (Connection c = JDBC.getConnection();
17            PreparedStatement ps = c.prepareStatement("DELETE FROM barang WHERE id=?")) {
18            ps.setInt(1, Integer.parseInt(idParam));
19            ps.executeUpdate();
20            response.sendRedirect("view.jsp");
21            return;
22        } catch (Exception e) {
23            request.setAttribute("err", "Gagal hapus: " + e.getMessage());
24        }
25    }
26 >%

```

```

28 <!DOCTYPE html>
29 <html>
30 <head>
31 <meta charset="UTF-8">
32 <title>Data Barang</title>
33 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
34 <script>
35     function konfirmasiHapus(id){
36         if(confirm("Yakin ingin menghapus barang ini?")){
37             window.location = "view.jsp?action=delete&id=" + id;
38         }
39     }
40 </script>
41 </head>
42 <body class="bg-light">
43 <div class="container py-4">
44 <div class="d-flex justify-content-between align-items-center mb-3">
45 <h3 class="m-0">Data Barang</h3>
46 <div>
47 <a class="btn btn-success" href="add.jsp">+ Add Barang</a>
48 <a class="btn btn-outline-secondary ms-2" href="../logout.jsp">Logout</a>
49 </div>
50 </div>
51
52 <%
53     String err = (String) request.getAttribute("err");
54     if (err != null) {
55

```

```

56 <div class="alert alert-danger"><%= err %></div>
57 <% } %>
58
59 <div class="card shadow-sm">
60 <div class="card-body">
61 <div class="table-responsive">
62 <table class="table table-striped align-middle">
63 <thead>
64 <tr>
65 <th>ID</th>
66 <th>Nama</th>
67 <th>Harga</th>
68 <th>Stok</th>
69 <th style="width:180px;">Aksi</th>
70 </tr>
71 </thead>
72 <tbody>
73 <%
74     try {Connection conn = JDBC.getConnection();
75         Statement st = conn.createStatement();
76         ResultSet rs = st.executeQuery("SELECT * FROM barang ORDER BY id DESC")} {
77
78     boolean ada = false;
79     while (rs.next()) {
80         ada = true;
81         int id = rs.getInt("id");
82     }
83 <tr>

```

```

84 <td><%= id %></td>
85 <td><%= rs.getString("nama") %></td>
86 <td><%= rs.getInt("harga") %></td>
87 <td><%= rs.getInt("stok") %></td>
88 <td>
89 <a class="btn btn-sm btn-warning" href="edit.jsp?id=<%= id %>">Edit</a>
90 <button class="btn btn-sm btn-danger" type="button" onclick="konfirmasiHapus(<%= id %>)">Delete</b>
91 </td>
92 </tr>
93 <%
94     }
95     if (!ada) {
96 %>
97 <tr><td colspan="5" class="text-center text-muted">Belum ada data.</td></tr>
98 <%
99     }
100 } catch (Exception e) {
101 %>
102 <tr><td colspan="5" class="text-danger">Error: <%= e.getMessage() %></td></tr>
103 <%
104     }
105 %>
106 </tbody>
107 </table>
108 </div>
109 </div>
110 </div>

```

## Edit.jsp

```

1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%@page import="java.sql.*"%>
3 <%@page import="db.JDBC"%>
4
5
6 <%
7     if (session.getAttribute("login") == null) {
8         response.sendRedirect("../index.jsp");
9         return;
10    }
11
12    String idParam = request.getParameter("id");
13    if (idParam == null) {
14        response.sendRedirect("view.jsp");
15        return;
16    }
17    int id = Integer.parseInt(idParam);
18
19    String msg = null;
20    String nama = "";
21    int harga = 0;
22    int stok = 0;
23
24    if ("POST".equalsIgnoreCase(request.getMethod())) {
25        nama = request.getParameter("nama");
26        harga = Integer.parseInt(request.getParameter("harga"));
27        stok = Integer.parseInt(request.getParameter("stok"));
28    }

```

```

29     try (Connection conn = JDBC.getConnection();
30         PreparedStatement ps = conn.prepareStatement(
31             "UPDATE barang SET nama=?, harga=?, stok=? WHERE id=?")) {
32
33         ps.setString(1, nama);
34         ps.setInt(2, harga);
35         ps.setInt(3, stok);
36         ps.setInt(4, id);
37         ps.executeUpdate();
38
39         response.sendRedirect("view.jsp");
40         return;
41     } catch (Exception e) {
42         msg = "Gagal update: " + e.getMessage();
43     }
44 } else {
45     try (Connection conn = JDBC.getConnection();
46         PreparedStatement ps = conn.prepareStatement("SELECT * FROM barang WHERE id=?")) {
47
48         ps.setInt(1, id);
49         try (ResultSet rs = ps.executeQuery()) {
50             if (rs.next()) {
51                 nama = rs.getString("nama");
52                 harga = rs.getInt("harga");
53                 stok = rs.getInt("stok");
54             } else {
55                 response.sendRedirect("view.jsp");
56                 return;
57             }

```

```

58         }
59     } catch (Exception e) {
60         msg = "Gagal ambil data: " + e.getMessage();
61     }
62 }
63 %>
64
65 <!DOCTYPE html>
66 <html>
67 <head>
68     <meta charset="UTF-8">
69     <title>Edit Barang</title>
70     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
71 </head>
72 <body class="bg-light">
73     <div class="container py-4">
74         <div class="d-flex justify-content-between align-items-center mb-3">
75             <h3 class="m-0">Edit Barang (ID: <%= id %>)</h3>
76             <a class="btn btn-outline-secondary" href="view.jsp">Kembali</a>
77         </div>
78
79         <% if (msg != null) { %>
80             <div class="alert alert-danger"><%= msg %></div>
81         <% } %>
82
83         <div class="card shadow-sm">
84             <div class="card-body">
85                 <form method="post">
86                     <div class="mb-3">

```

```

87     <label class="form-label">Nama</label>
88     <input class="form-control" type="text" name="nama" value="<%= nama %>" required>
89 </div>
90
91 <div class="mb-3">
92     <label class="form-label">Harga</label>
93     <input class="form-control" type="number" name="harga" value="<%= harga %>" required>
94 </div>
95
96 <div class="mb-3">
97     <label class="form-label">Stok</label>
98     <input class="form-control" type="number" name="stok" value="<%= stok %>" required>
99 </div>
100
101 <button class="btn btn-warning" type="submit">Update</button>
102 <a class="btn btn-link" href="view.jsp">Batal</a>
103 </form>
104 </div>
105 </div>
106 </div>
107 </body>
108 </html>

```

## Add.jsp

```

1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%@page import="java.sql.*"%>
3 <%@page import="db.JDBC"%>
4
5
6 <%
7     if (session.getAttribute("login") == null) {
8         response.sendRedirect("../index.jsp");
9         return;
10    }
11
12    String msg = null;
13
14    if ("POST".equalsIgnoreCase(request.getMethod())) {
15        String nama = request.getParameter("nama");
16        String hargaStr = request.getParameter("harga");
17        String stokStr = request.getParameter("stok");
18
19        try (Connection conn = JDBC.getConnection();
20             PreparedStatement ps = conn.prepareStatement(
21                 "INSERT INTO barang(nama, harga, stok) VALUES(?,?,?)")) {
22
23            ps.setString(1, nama);
24            ps.setInt(2, Integer.parseInt(hargaStr));
25            ps.setInt(3, Integer.parseInt(stokStr));
26            ps.executeUpdate();
27
28            response.sendRedirect("view.jsp");
29            return;

```

```

30     } catch (Exception e) {
31         msg = "Gagal tambah data: " + e.getMessage();
32     }
33 }
34 %>
35
36 <!DOCTYPE html>
37 <html>
38 <head>
39     <meta charset="UTF-8">
40     <title>Add Barang</title>
41     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
42 </head>
43 <body class="bg-light">
44     <div class="container py-4">
45         <div class="d-flex justify-content-between align-items-center mb-3">
46             <h3 class="m-0">Tambah Barang</h3>
47             <a class="btn btn-outline-secondary" href="view.jsp">Kembali</a>
48         </div>
49
50         <% if (msg != null) { %>
51             <div class="alert alert-danger"><%= msg %></div>
52         <% } %>
53
54         <div class="card shadow-sm">
55             <div class="card-body">
56                 <form method="post">
57                     <div class="mb-3">
58                         <label class="form-label">Nama</label>
59                         <input class="form-control" type="text" name="nama" required>
60                     </div>
61
62                     <div class="mb-3">
63                         <label class="form-label">Harga</label>
64                         <input class="form-control" type="number" name="harga" required>
65                     </div>
66
67                     <div class="mb-3">
68                         <label class="form-label">Stok</label>
69                         <input class="form-control" type="number" name="stok" required>
70                     </div>
71
72                     <button class="btn btn-success" type="submit">Simpan</button>
73                     <a class="btn btn-link" href="view.jsp">Batal</a>
74                 </form>
75             </div>
76         </div>
77     </div>
78 </body>
79 </html>
80

```

## JDBC.java

```
Source History
1 package db;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6
7 public class JDBC {
8     private static final String URL =
9         "jdbc:mysql://localhost:3306/db_barang?useSSL=false&serverTimezone=Asia/Jakarta";
10    private static final String USER = "root";
11    private static final String PASS = ""; // isi kalau MySQL kamu pakai password
12
13    public static Connection getConnection() throws SQLException {
14        try {
15            // MySQL Connector/J 8
16            Class.forName("com.mysql.cj.jdbc.Driver");
17        } catch (ClassNotFoundException e) {
18            throw new SQLException("MySQL JDBC Driver tidak ditemukan: " + e.getMessage());
19        }
20        return DriverManager.getConnection(URL, USER, PASS);
21    }
22 }
23
```

## Tampilan index.jsp, login

localhost:8080/TP15/

### Login

Username

Password

Login

Hint: admin / 1234

## Tampilan view.jsp setelah login dan insert beberapa data dummy

localhost:8080/TP15/product/view.jsp

### Data Barang

+ Add Barang Logout

ID	Nama	Harga	Stok	Aksi
2	Buku	Rp 5000	30	<div>Edit Delete</div>
1	Pensil	Rp 2000	50	<div>Edit Delete</div>



Coba tambah barang

localhost:8080/TP15/product/add.jsp

### Tambah Barang

Kembali

Nama  
Penggaris

Harga  
10000

Stok  
20

Simpan Batal

Berhasil tambah barang

localhost:8080/TP15/product/view.jsp

### Data Barang

+ Add Barang Logout

ID	Nama	Harga	Stok	Aksi
3	Penggaris	Rp 10000	20	<a href="#">Edit</a> <a href="#">Delete</a>
2	Buku	Rp 5000	30	<a href="#">Edit</a> <a href="#">Delete</a>
1	Pensil	Rp 2000	50	<a href="#">Edit</a> <a href="#">Delete</a>

Coba edit barang, “Penggaris” jadi “Penghapus”

### Edit Barang (ID: 3)

Kembali

Nama  
Penghapus

Harga  
10000

Stok  
20

Update Batal

Berhasil edit barang



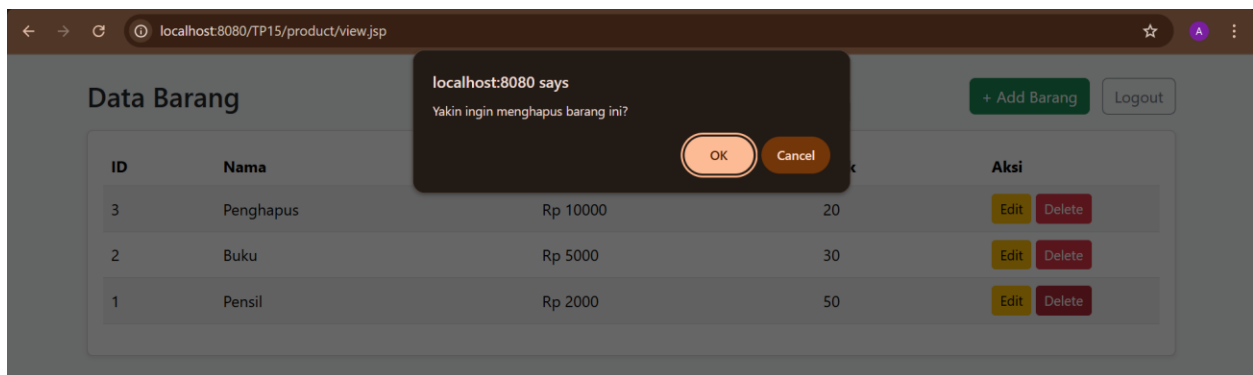
localhost:8080/TP15/product/view.jsp

Data Barang

+ Add Barang Logout

ID	Nama	Harga	Stok	Aksi
3	Penghapus	Rp 10000	20	Edit Delete
2	Buku	Rp 5000	30	Edit Delete
1	Pensil	Rp 2000	50	Edit Delete

Coba hapus barang “Pensil”



localhost:8080/TP15/product/view.jsp

localhost:8080 says  
Yakin ingin menghapus barang ini?

OK Cancel

Data Barang

+ Add Barang Logout

ID	Nama	Harga	Stok	Aksi
3	Penghapus	Rp 10000	20	Edit Delete
2	Buku	Rp 5000	30	Edit Delete
1	Pensil	Rp 2000	50	Edit Delete

Berhasil hapus “Pensil”



localhost:8080/TP15/product/view.jsp

Data Barang

+ Add Barang Logout

ID	Nama	Harga	Stok	Aksi
3	Penghapus	Rp 10000	20	Edit Delete
2	Buku	Rp 5000	30	Edit Delete