

Kyle Klausen

CSD-430

Module-6

02/07/26

Code:

JSP:

```
<%@ page contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
<%@ page import="java.sql.*" %>
<%@ page import="java.util.*" %>

<html>
<head>
    <title>Module 6 – Movie Database Read</title>
    <style>
        body { font-family: Arial, sans-serif; margin: 30px; }
        table { border-collapse: collapse; width: 80%; margin-top: 20px; }
        th, td { border: 1px solid #333; padding: 8px; text-align: left; }
        th { background-color: #eee; }
    </style>
</head>
<body>
    <h1>Module 6 – Movie Database Read</h1>

    <%
        // Database connection parameters
        String url = "jdbc:mysql://localhost:3306/CSD430";
        String dbUser = "student1";
```

```
String dbPass = "pass";

Connection conn = null;
Statement stmt = null;
ResultSet rs = null;
List<Integer> movields = new ArrayList<>();

try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    conn = DriverManager.getConnection(url, dbUser, dbPass);

    stmt = conn.createStatement();
    rs = stmt.executeQuery("SELECT movie_id FROM kyle_movies_data ORDER BY
movie_id");

    while(rs.next()) {
        movields.add(rs.getInt("movie_id"));
    }
} catch(Exception e) {
    out.println("<p style='color:red;'>Error connecting to DB: " + e.getMessage() + "</p>");
} finally {
    if(rs != null) try { rs.close(); } catch(Exception e){}
    if(stmt != null) try { stmt.close(); } catch(Exception e){}
    if(conn != null) try { conn.close(); } catch(Exception e){}
}
%>
```

```

<form method="get">

    <label for="movield">Select Movie ID:</label>

    <select name="movield" id="movield">

        <option value="">--Select--</option>

        <%
            for(Integer id : movields){

        %>

            <option value="<%="id%">" <%=
id.toString().equals(request.getParameter("movield")) ? "selected" :
"" %><%="id%"></option>

        <%
            } // end for

        %>

    </select>

    <input type="submit" value="Show Movie">

</form>

<%

String selectedId = request.getParameter("movield");

if(selectedId != null && !selectedId.isEmpty()){

    try{

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

        conn = DriverManager.getConnection(url, dbUser, dbPass);

        stmt = conn.createStatement();

        rs = stmt.executeQuery("SELECT * FROM kyle_movies_data WHERE movie_id=" +
selectedId);

```

```
if(rs.next()){

%>

<h2>Movie Details</h2>

<table>

<thead>

<tr>

<th>Movie ID</th>

<th>Title</th>

<th>Genre</th>

<th>Director</th>

<th>Release Year</th>

<th>Rating</th>

</tr>

</thead>

<tbody>

<tr>

<td><%= rs.getInt("movie_id") %></td>

<td><%= rs.getString("title") %></td>

<td><%= rs.getString("genre") %></td>

<td><%= rs.getString("director") %></td>

<td><%= rs.getInt("release_year") %></td>

<td><%= rs.getBigDecimal("rating") %></td>

</tr>

</tbody>

</table>
```

```
<%
} else {
    out.println("<p style='color:red;'>No movie found with ID " + selectedId + "</p>");
}
} catch(Exception e){
    out.println("<p style='color:red;'>Error fetching movie: " + e.getMessage() + "</p>");
} finally {
    if(rs != null) try { rs.close(); } catch(Exception e){}
    if(stmt != null) try { stmt.close(); } catch(Exception e){}
    if(conn != null) try { conn.close(); } catch(Exception e){}
}
}

%>
</body>
</html>
```

MovieBean.java

```
// Source code is decompiled from a .class file using FernFlower decompiler (from IntelliJ IDEA).
```

```
package mybeans;
```

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
```

```
import java.util.ArrayList;

public class MovieBean {

    private Connection conn;

    public MovieBean() throws Exception {
        Class.forName("com.mysql.cj.jdbc.Driver");
        this.conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/CSD430",
        "student1", "pass");
    }

    public ArrayList<Integer> getMovields() throws SQLException {
        ArrayList var1 = new ArrayList();
        Statement var2 = this.conn.createStatement();
        ResultSet var3 = var2.executeQuery("SELECT movie_id FROM kyle_movies_data");

        while(var3.next()) {
            var1.add(var3.getInt("movie_id"));
        }

        return var1;
    }

    public ResultSet getMovieById(int var1) throws SQLException {
        PreparedStatement var2 = this.conn.prepareStatement("SELECT * FROM
        kyle_movies_data WHERE movie_id = ?");
    }
}
```

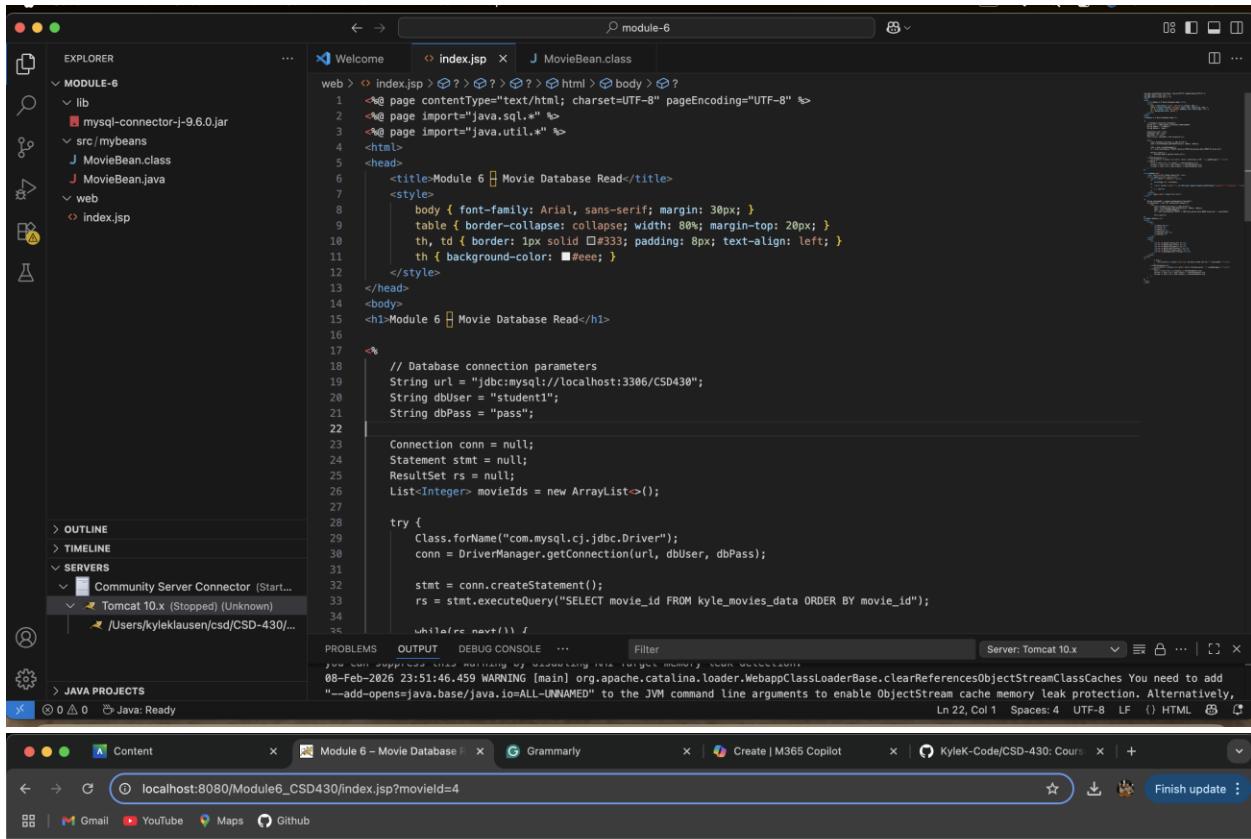
```
    var2.setInt(1, var1);

    return var2.executeQuery();

}

}
```

Screenshots:



```

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12    </style>
13  </head>
14  <body>
15    <h1>Module 6 - Movie Database Read</h1>
16
17    // Database connection parameters
18    String url = "jdbc:mysql://localhost:3306/CS430";
19    String dbUser = "student1";
20    String dbPass = "pass";
21
22    Connection conn = null;
23    Statement stmt = null;
24    ResultSet rs = null;
25    List<Integer> movieIds = new ArrayList<>();
26
27    try {
28      Class.forName("com.mysql.cj.jdbc.Driver");
29      conn = DriverManager.getConnection(url, dbUser, dbPass);
30
31      stmt = conn.createStatement();
32      rs = stmt.executeQuery("SELECT movie_id FROM kyle_movies_data ORDER BY movie_id");
33
34      while(rs.next()) {
35        movieIds.add(rs.getInt(1));
36      }
37    } catch (Exception e) {
38      e.printStackTrace();
39    }
40
41    rs.close();
42    stmt.close();
43    conn.close();
44
45    for (int id : movieIds) {
46      out.println(id);
47    }
48  </body>
49</html>

```

PROBLEMS OUTPUT DEBUG CONSOLE ... Filter Server: Tomcat 10.x

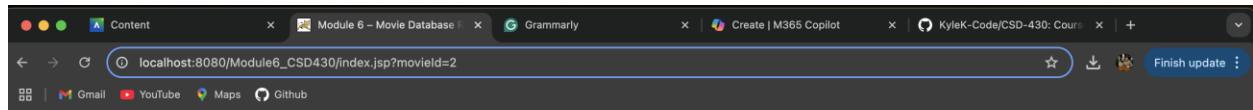
you can suppress this warning by adding -Djava.net.preferIPv4Stack=true to your memory. See [documentation](#).  
08-Feb-2026 23:51:46.459 WARNING [main] org.apache.catalina.loader.WebappClassLoaderBase.clearReferencesObjectStreamClassCaches You need to add  
"--add-opens=java.base/java.io=ALL-UNNAMED" to the JVM command line arguments to enable ObjectStream cache memory leak protection. Alternatively,  
Ln 22, Col 1 Spaces: 4 UTF-8 LF {} HTML

## Module 6 – Movie Database Read

Select Movie ID:

### Movie Details

Movie ID	Title	Genre	Director	Release Year	Rating
4	Gladiator	Action	Ridley Scott	2000	8.5

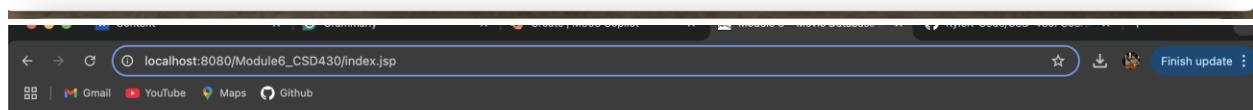


## Module 6 – Movie Database Read

Select Movie ID: 2

### Movie Details

Movie ID	Title	Genre	Director	Release Year	Rating
2	The Matrix	Sci-Fi	Wachowski Sisters	1999	8.7



## Module 6 – Movie Database Read

Select Movie ID: --Select--