GitHub Repo : https://github.com/mwhalen35/WEEK7.git
Video :https://www.youtube.com/watch?v=wb8gY5tD-64

Instructions:

1. Follow the Coding Steps below to complete this assignment.

* In Eclipse, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed.
* Create a new repository on GitHub for this week's assignment and push your completed code to this dedicated repo.

* Create a video showcasing your work:
    * In this video: record and present your project verbally while showing the results of the working project.
    * Easy way to Create a video: Start a meeting in Zoom, share your screen, open Eclipse with the code and your Console window, start recording & record yourself describing and running the program showing the results.
    * Your video should be a maximum of 5 minutes.
    * Upload your video with a public link.
    * Easy way to Create a Public Video Link: Upload your video recording to YouTube with a public link.

2. In addition, please include the following in your Coding Assignment Document:
    * The URL for this week's GitHub repository.
    * The URL of the public link of your video.

3. Save the Coding Assignment Document as a .pdf and do the following:
* Push the .pdf to the GitHub repo for this week.
* Upload the .pdf to the LMS in your Coding Assignment Submission.

*mysql-java/pom.xml

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.or
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.promineotech</groupId>
    <artifactId>mysql-java</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <properties>
        <java.version>11</java.version>
    </properties>
    <dependencies>
        <dependency>
            <groupId>mysql</groupId>
            <artifactId>mysql-connector-java</artifactId>
            <version>8.0.31</version>
        </dependency>
    </dependencies>
  <build>
    <pluginManagement>
      <plugins>
        <plugin>
          <groupId>org.apache.maven.plugins</groupId>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.10.1</version>
          <configuration>
          <source>${java.version}</source>
          <target>${java.version}</target>
          </configuration>
        </plugin>
      </plugins>
    </pluginManagement>
  </build>
</project>
```

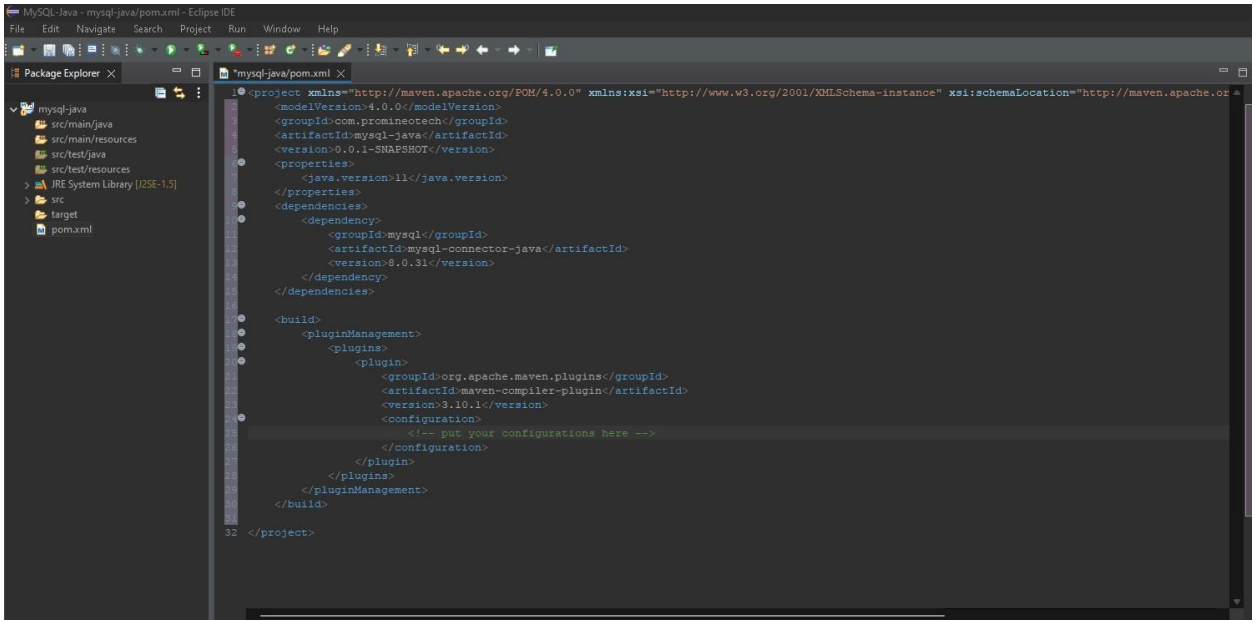
SCHEMAS

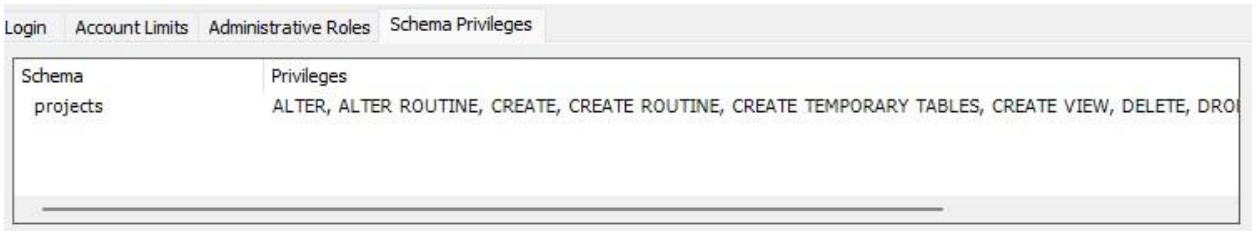
Filter objects

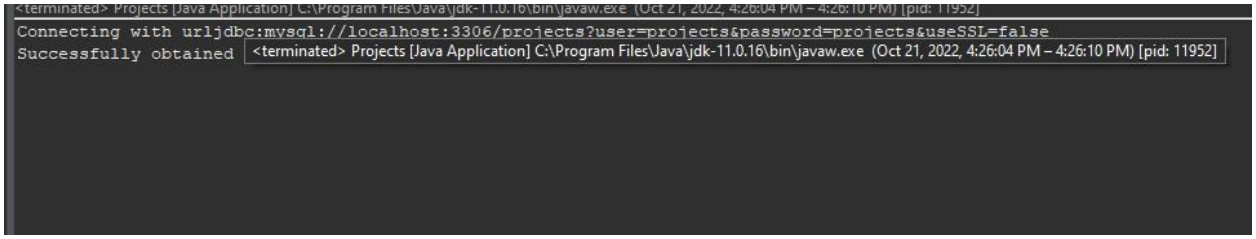
- projects
- sys

Package Explorer

- mysql-java
  - src/main/java
    - projects.dao
    - projects.entity
    - projects.exception
    - projects.service


MySQL-Java - mysql-java/pom.xml - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Package Explorer
mysql-java
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
src
target
pom.xml
*mysql-java/pom.xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.or
<modelVersion>4.0.0</modelVersion>
<groupId>com.promineotech</groupId>
<artifactId>mysql-java</artifactId>
<version>0.0.1-SNAPSHOT</version>
<properties>
<java.version>11</java.version>
</properties>
<dependencies>
<dependency>
<groupId>mysql</groupId>
<artifactId>mysql-connector-java</artifactId>
<version>8.0.31</version>
</dependency>
</dependencies>
<build>
<pluginManagement>
<plugins>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-compiler-plugin</artifactId>
<version>3.10.1</version>
<configuration>
<!-- put your configurations here -->
</configuration>
</plugin>
</plugins>
</pluginManagement>
</build>
</project>


Login
Account Limits
Administrative Roles
Schema Privileges
Schema
Privileges
projects
ALTER, ALTER ROUTINE, CREATE, CREATE ROUTINE, CREATE TEMPORARY TABLES, CREATE VIEW, DELETE, DRO


<terminated> Projects [Java Application] C:\Program Files\Java\jdk-11.0.16\bin\javaw.exe (Oct 21, 2022, 4:26:04 PM – 4:26:10 PM) [pid: 11952]
Connecting with urljdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Successfully obtained
<terminated> Projects [Java Application] C:\Program Files\Java\jdk-11.0.16\bin\javaw.exe (Oct 21, 2022, 4:26:04 PM – 4:26:10 PM) [pid: 11952]

DbException.java | DbConnection.java | Projects.java

```java
package projects.dao;

import java.sql.Connection;

public class DbConnection {
    private static String HOST = "localhost";
    private static String PASSWORD = "projects";
    private static int PORT = 3306;
    private static String SCHEMA = "projects";
    private static String USER = "projects";

    public static Connection getConnection() {
        String url = String.format("jdbc:mysql://%s:%d/%s?user=%s&password=%s&useSSL=false", HOST, PORT, SCHEMA, USER,
                PASSWORD);

        System.out.println("Connecting with url" + url);

        try {
            Connection conn = DriverManager.getConnection(url);
            System.out.println("Successfully obtained connection!");
            return conn;
        } catch (SQLException e) {
            throw new DbException(e);
        }

    }

}
```

DbException.java | DbConnection.java | Projects.java

```java
package projects.exception;

@SuppressWarnings("serial")
public class DbException extends RuntimeException {
    public DbException(String message) {
        super(message);
    }

    public DbException(Throwable cause) {
        super(cause);
    }

    public DbException(String message, Throwable cause) {
        super(message, cause);
    }

}

```