

```
//ProjectsApp.java

package projects;

import projects.dao.DbConnection;

public class ProjectsApp {

    public static void main(String[] args) {
        DbConnection.getConnection();
    }

}

//DbConnection.java
package projects.dao;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

import projects.exception.DbException;

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 uri = String.format("jdbc:mysql://%s:%d/%s?user=%s&password=%s&useSSL=false",
            HOST, PORT, SCHEMA, USER, PASSWORD);
        System.out.println("Connection with url=" + uri);
        try {
            Connection connection = DriverManager.getConnection(uri);
            System.out.println("The connection succeeded!");
            return connection;
        } catch (SQLException e) {
            System.out.println("The connection failed.");
            throw new DbException(e);
        }
    }

}

//DbException.java
package projects.exception;

@SuppressWarnings("serial")
public class DbException extends RuntimeException {

    public DbException() {
        // TODO Auto-generated constructor stub
    }

    public DbException(String message) {
        super(message);
        // TODO Auto-generated constructor stub
    }

    public DbException(Throwable cause) {
        super(cause);
        // TODO Auto-generated constructor stub
    }

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

```
// TODO Auto-generated constructor stub
}

}

//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.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.promineotech</groupId>
  <artifactId>Version</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <properties>
    <java.version>17</java.version>
  </properties>
  <dependencies>
    <dependency>
      <groupId>com.mysql</groupId>
      <artifactId>mysql-connector-j</artifactId>
      <version>8.0.33</version>
    </dependency>
    <dependency>
      <groupId>com.promineotech</groupId>
      <artifactId>mysql-java</artifactId>
      <version>0.0.1-SNAPSHOT</version>
    </dependency>
  </dependencies>
  <build>
    <pluginManagement>
      <plugins>
        <plugin>
          <groupId>org.apache.maven.plugins</groupId>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.11.0</version>
          <configuration>
            <source>${java.version}</source>
            <target>${java.version}</target>
          </configuration>
        </plugin>
      </plugins>
    </pluginManagement>
  </build>
</project>

//URLs
//YouTube: https://youtu.be/4zgdKMbxYLg
//GitHub: https://github.com/fmd5045/Week07CodingAssignment
```