package m6;

import java.sql.\*;

/\*\*

\* This class is responsible for managing db related tasks (CRUD)

\*/

public class ConnectionManager {

private static ConnectionManager manager = null;

private Connection connection = null;

private ConnectionManager() {

try {

// load driver

System.out.println("Loading driver...");

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

System.out.println("Loaded driver.");

// setup connection with db

System.out.println("Connecting to database...");

connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/m6", "root", null);

System.out.println("Successfully connected to database.");

} catch (Exception e) {

e.printStackTrace();

// if failed to load driver/connection, exit application

System.exit(1);

}

}

public Connection getConnection() {

return connection;

}

/\*\*

\* Access to this class will be provided through this

\* singleton instance.

\*/

public static ConnectionManager getInstance() {

if (manager == null) {

manager = new ConnectionManager();

}

return manager;

}

/\*\*

\* Close all connections

\*/

public void close() {

try {

if (connection != null) {

connection.close();

}

if (manager != null) {

manager = null;

}

} catch (Exception e) {

e.printStackTrace();

}

}

}