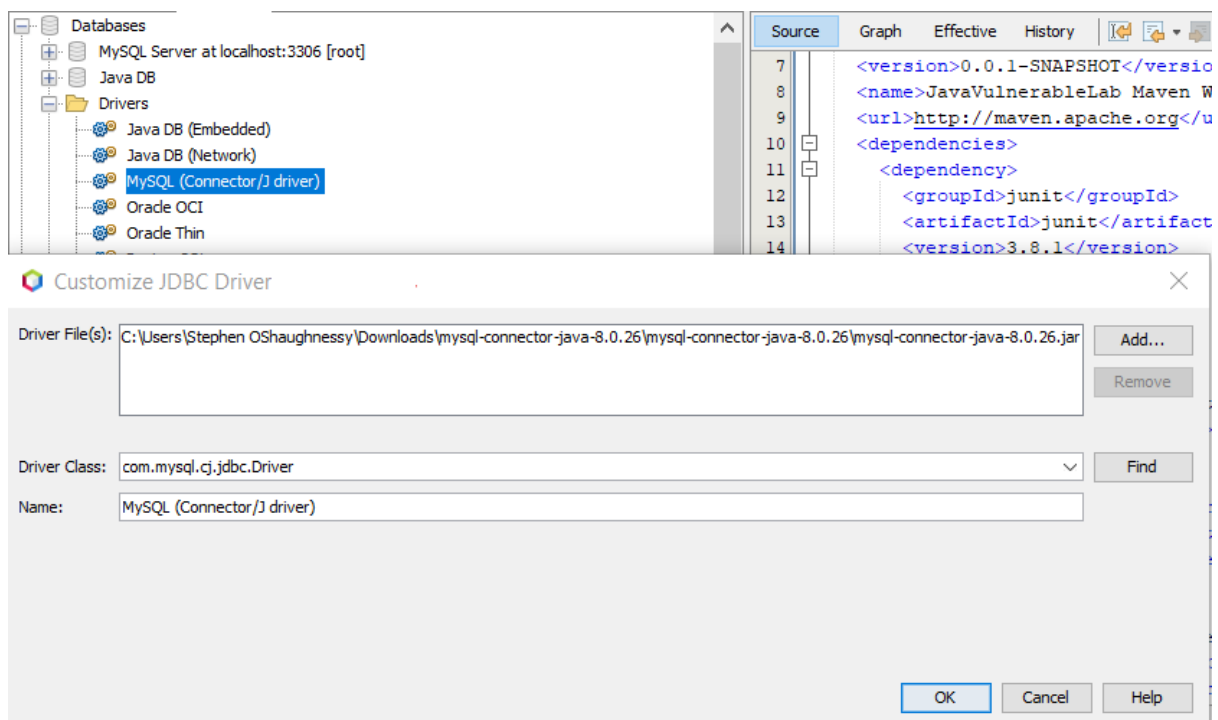# Assignment 2 Setup Instructions

Open Project

- Download *the assignment* source code from Moodle and unzip.
- Start Netbeans.
- Open the project in Netbeans.

NETBEANS CONFIGURATION
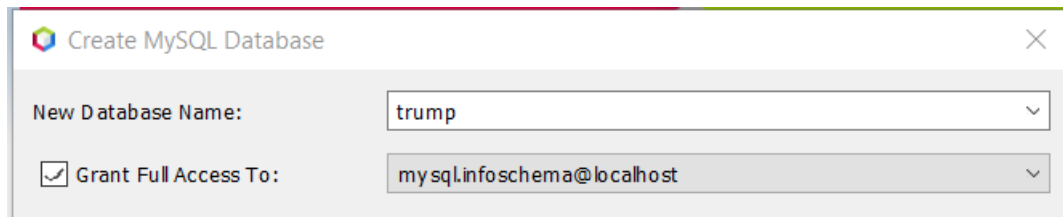
Configure DB connection:

Adding the JDBC Driver

- Expand the "Drivers" node and right-click the MySQL (Connector J Driver) node. Choose "Customize".

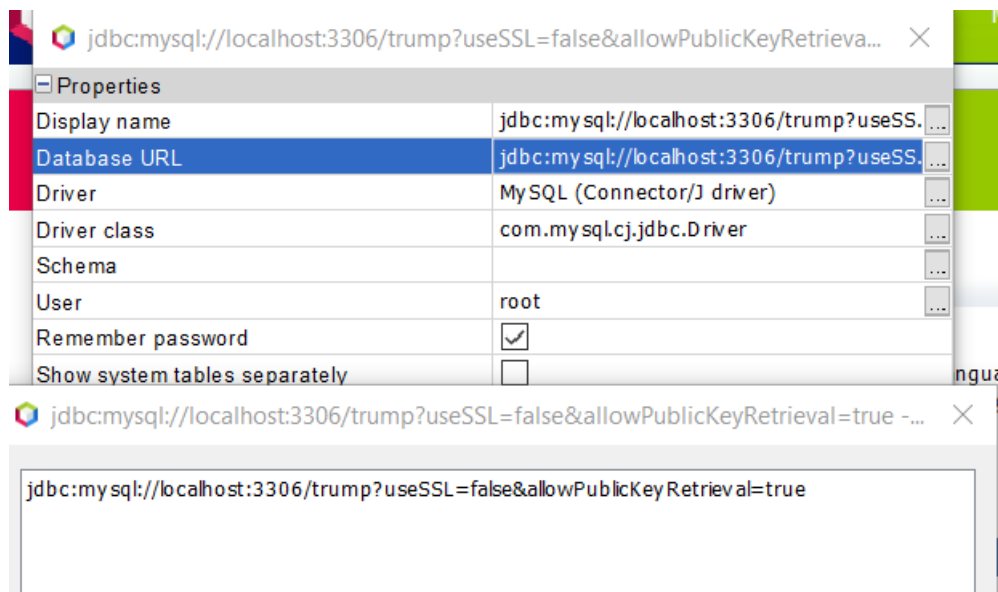- Click on "Add" and attach the Connector /J jar file you downloaded earlier:

Create the Database and Connection

- Right-click on the "MySQL Server at Localhost.." node and choose "Create Database".
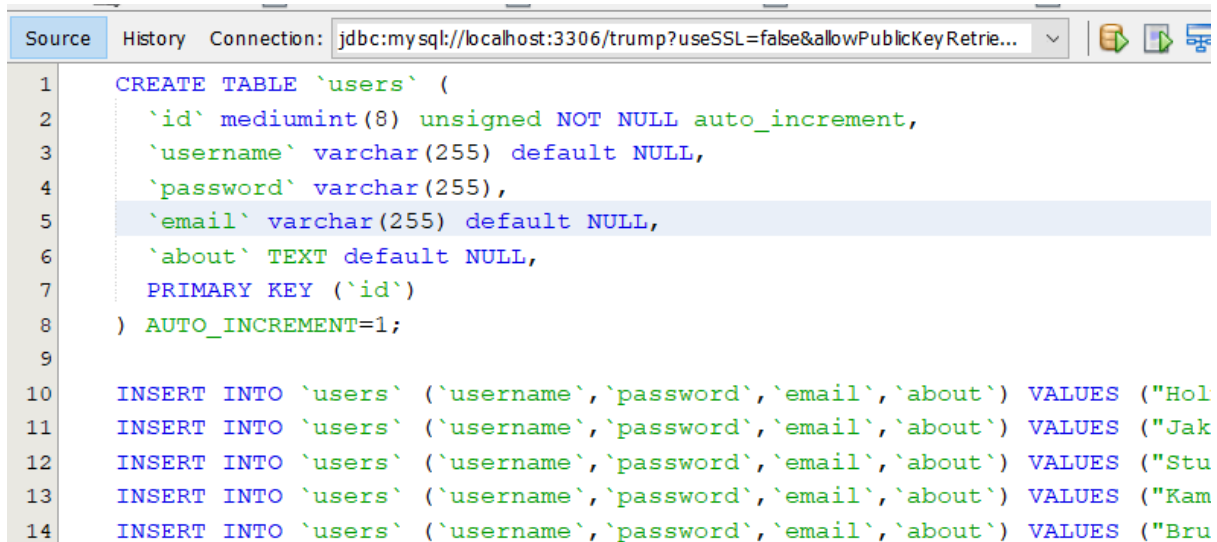- Create a database called "trump" as below:

- This will create a JDBC connection, which will be something like:
- **jdbc:mysql://localhost:3306/trump?zeroDateTimeBehavior=CONVERT_TO_NUL L [root on Default schema]**
- Right-click on this node and choose "Disconnect".
- Right-click the same node again, this time choosing "Customize".
- Expand the Database URL attribute by clicking the … on the right-hand side of the pane. Change the URL to the one in the screenshot below and click ok:

- Right-click the node again and connect.

Creating and populating the Database Tables

1. Go to *file > open file*.. and navigate to the trump.sql file that I included in the zipped application folder. The file will open in Netbeans' SQL editor. Choose the trump connection you made in the previous step from the dropdown list (see below).

```
Source  History  Connection: jdbc:mysql://localhost:3306/trump?useSSL=false&allowPublicKeyRetrie...  ▼

 1    CREATE TABLE `users` (
 2      `id` mediumint(8) unsigned NOT NULL auto_increment,
 3      `username` varchar(255) default NULL,
 4      `password` varchar(255),
 5      `email` varchar(255) default NULL,
 6      `about` TEXT default NULL,
 7      PRIMARY KEY (`id`)
 8    ) AUTO_INCREMENT=1;
 9
10    INSERT INTO `users` (`username`,`password`,`email`,`about`) VALUES ("Hol
11    INSERT INTO `users` (`username`,`password`,`email`,`about`) VALUES ("Jak
12    INSERT INTO `users` (`username`,`password`,`email`,`about`) VALUES ("Stu
13    INSERT INTO `users` (`username`,`password`,`email`,`about`) VALUES ("Kam
14    INSERT INTO `users` (`username`,`password`,`email`,`about`) VALUES ("Bru
```

2. Execute the SQL script (icon to the right of the dropdown list). This will create and populate the tables required for the assignment.
3. Test your tables have been created by logging into MySQL and querying the trump database. Note: You can do this in Netbeans by right-clicking on the JDBC Driver connection (in Services) and choose "execute command". This will open up a window where you can send SELECT statement queries to the DB.

Running the Application

1. Go to the projects tab, right-click the project and choose "clean & build" (also shift f11).
2. Run the project.

(NB: make sure MySQL server/ Glassfish are running in the services tab in Netbeans prior to running the project)