Setting up MySQL

1 Mac/Linux

1.1 Downloads

`https://dev.mysql.com/downloads/`

1. MySql Community Server 5.7.20 (Make note of the temporary root password)

2. MySql Workbench 6.3.10

1.2 Installation

1. Install the server

2. Install workbench

3. Add mysql to your path. Add to ./.bash_profile or your system's equivalent

   `export PATH="/usr/local/mysql/bin:$PATH"`

1.3 Change the root password

Enter the following commands at the command line:

```
mysql -u root -p
[enter the root password you saved from earlier]
set password for 'root'@'localhost'=password('newpwdofyourchoice');
```

Where 'newpwdofyourchoice' is a new password that you have chosen.

1.4 Starting the Database Server

Go to System Preferences → MySQL and click on "Start MySQL Server"
You might also want to check the box for "Automatically Start MySQL Server on Startup

2 Windows

2.1 Download

On my Windows 10 system, this worked for me. Depending on your version of Windows, you might needs some slightly different packages.

1. Microsoft .NET Framework 4.5
   `https://www.microsoft.com/en-us/download/details.aspx?id=30653`

2. Microsoft Visual C++ 2013 Redistributable Package for x86 and x64!
   `https://www.microsoft.com/en-us/download/details.aspx?id=40784`
   and the update
   `https://support.microsoft.com/en-us/help/3179560/update-for-visual-c-2013-and-visual-c-redistributable-package`

3. Microsoft Visual C++ 2015 Redistributable Package
   `https://www.microsoft.com/en-us/download/details.aspx?id=48145`

4. MySQL on Windows (Installer & Tools) v. 5.7.20. `https://dev.mysql.com/downloads/installer/`

2.2 Installation

1. Install all the Microsoft packages first

2. Run the downloaded MySQL installer: mysql-installer-web-community-5.7.20.0.msi

Select Custom for installation type, and install the following components:

- MySQL Server 5.7.20

- MySQL Workbench 6.3.10

- MySQL Shell 1.0.11
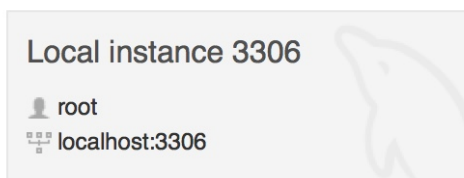
2.3 Starting the server

1. Launch MySQL Workbench

2. Click on Local instance MySQL Router

3. Under Instance click on Startup / Shutdown

4. Click "Start Server" button

You should also be able to set up MySQL as a Service via Administrative Tools in the Control Panel.

3 Create the Database

The steps for creating your own database are:

1. Start MySQL Workbench

2. Click on Local Instance

3. Enter the following commands:

```
CREATE DATABASE ricedb;
CREATE USER 'ricedb'@'localhost' IDENTIFIED BY 'mypassword';
GRANT ALL ON ricedb.* TO 'ricedb'@'localhost';
```

Where 'mypassword' is another password of your choice.

Click on the lightening bolt in the tool menu to execute the commands.

You can delete the database with the following command:

```
DROP DATABASE ricedb;
```

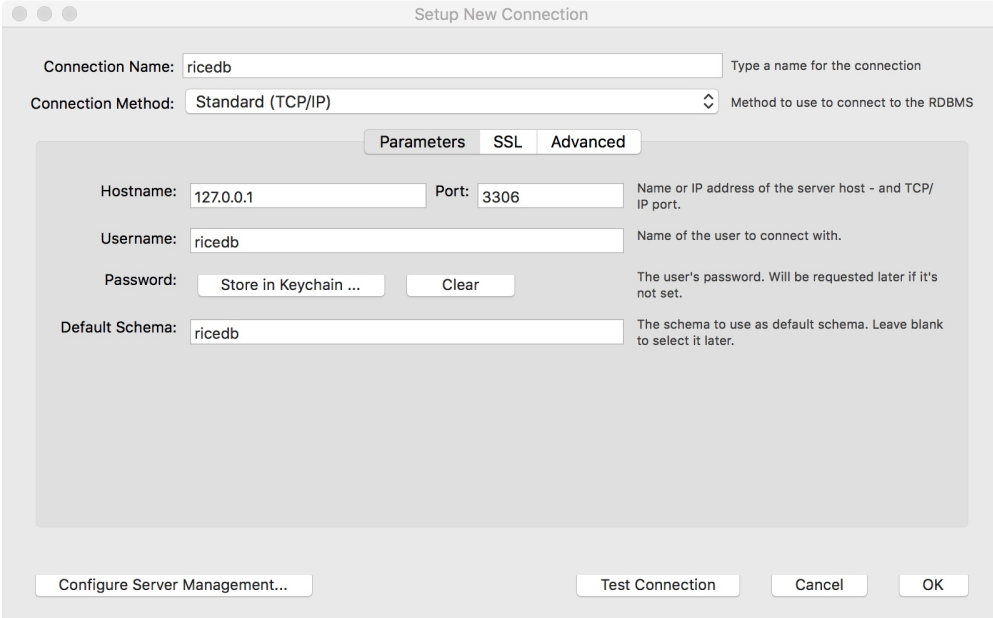In addition, you can use the following command to see all the tables in your database

```
SHOW TABLES;
```

4 Connect to the new database/schema

1. Open MySQL Workbench

2. On the home page, click on the + symbol next to MySQL Connections

3. Enter the information for the new schema

4. Click OK

5. Now you will have a connection box to use, going forward