Lab01: MySQL Server and MySQL Workbench Installation and Configuration

DB Architecture
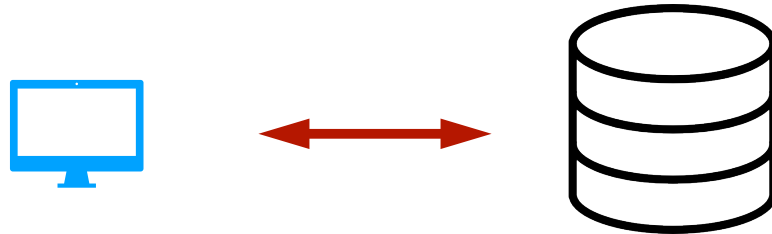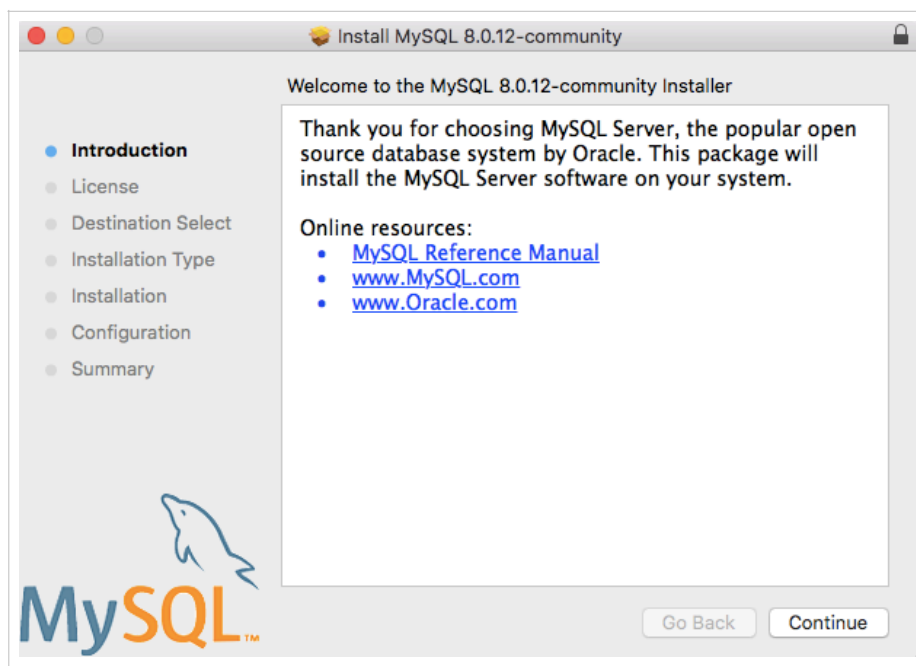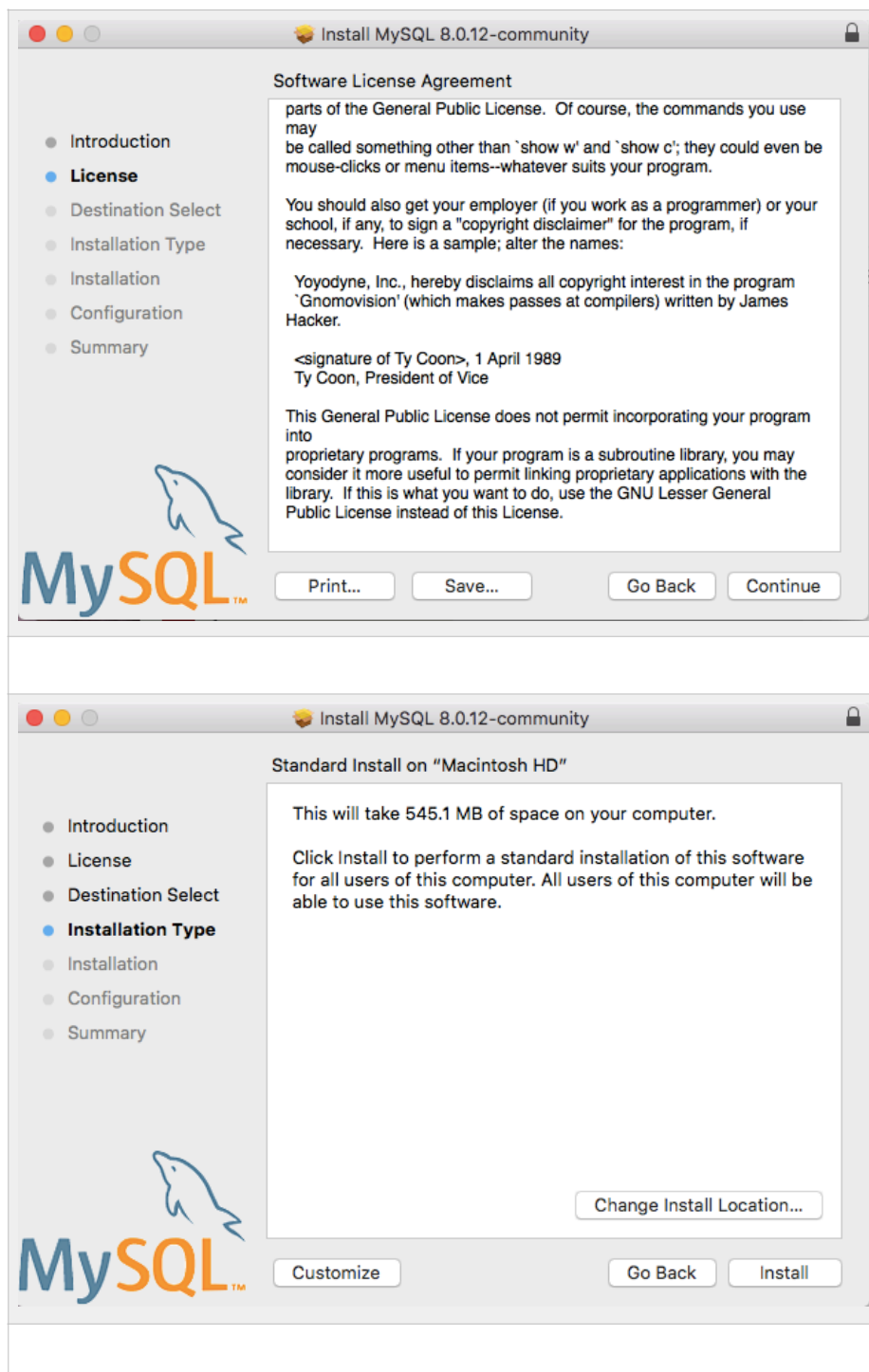

Client Side	Server Side
	Localhost: 127.0.0.1
MySQL Workbench	**MySQL Server 8.0.12**

Task 1: MySQL Community Server Installation and Configuration

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

Documentation: https://dev.mysql.com/doc/refman/8.0/en/

Install MySQL 8.0.12-community

Software License Agreement

- Introduction
- **License**
- Destination Select
- Installation Type
- Installation
- Configuration
- Summary

parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program
  `Gnomovision' (which makes passes at compilers) written by James
Hacker.

  <signature of Ty Coon>, 1 April 1989
  Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

[Print...]   [Save...]   [Go Back]   [Continue]

Install MySQL 8.0.12-community

Standard Install on "Macintosh HD"

- Introduction
- License
- Destination Select
- **Installation Type**
- Installation
- Configuration
- Summary

This will take 545.1 MB of space on your computer.

Click Install to perform a standard installation of this software
for all users of this computer. All users of this computer will be
able to use this software.

[Change Install Location...]
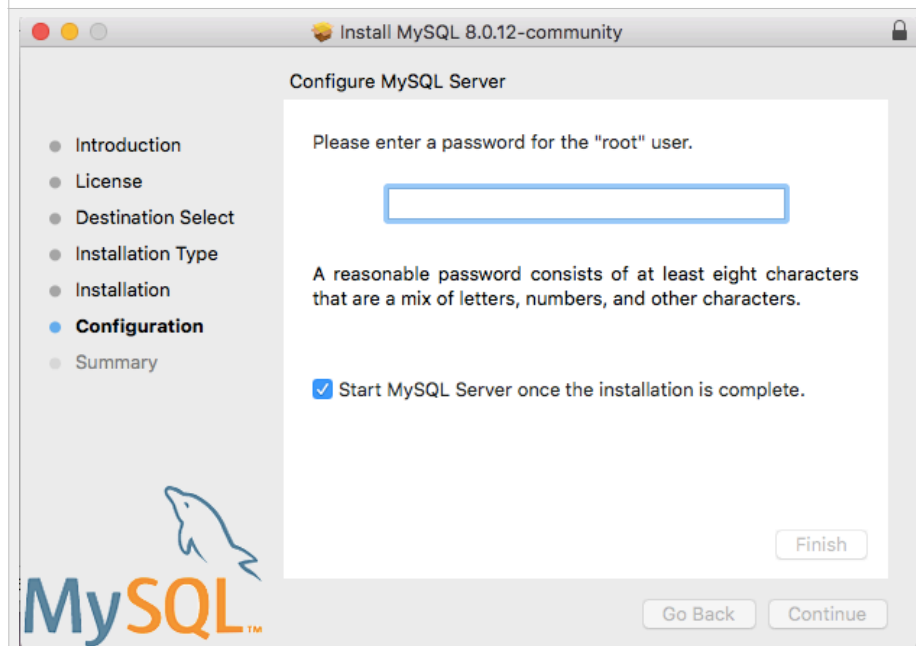
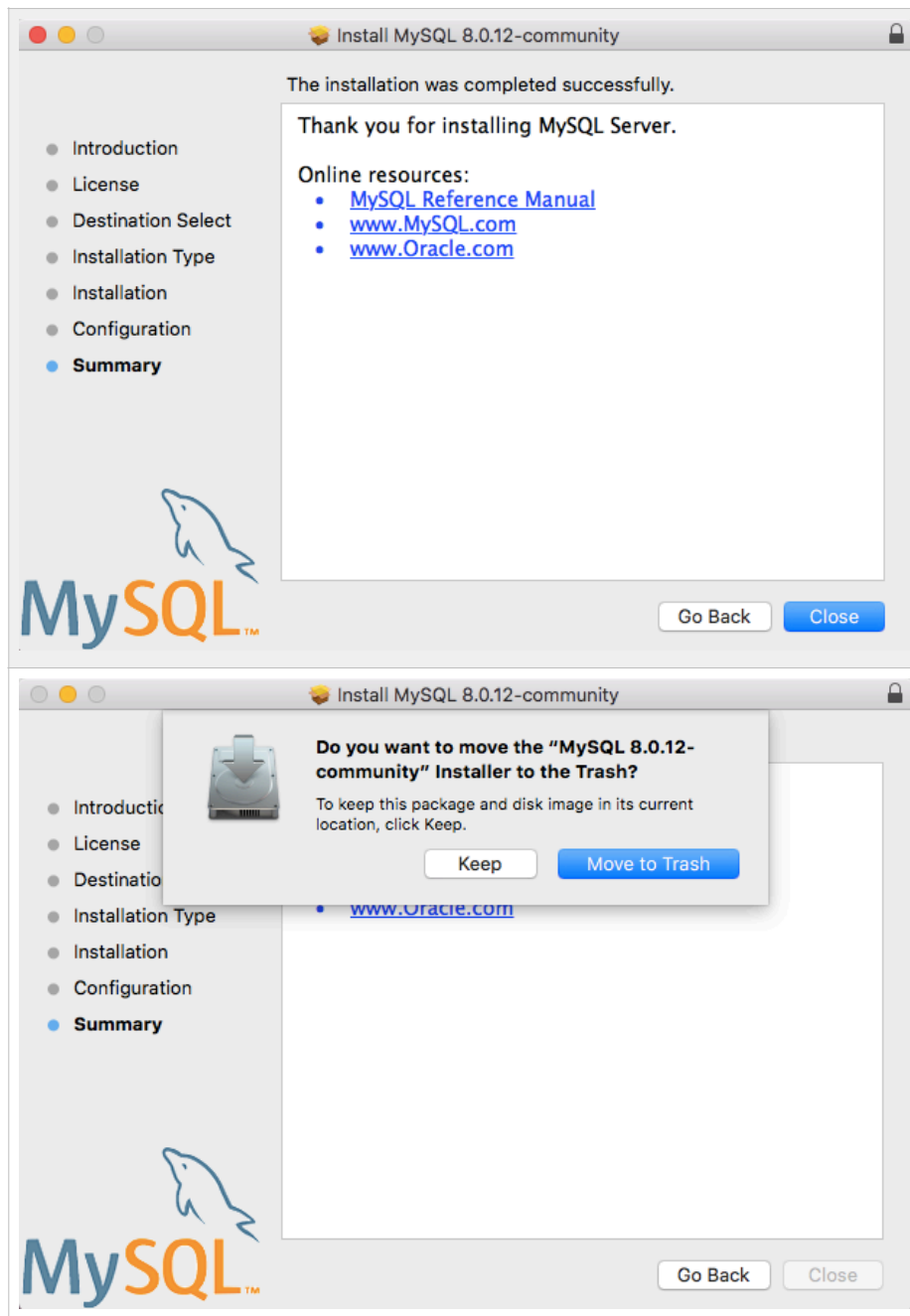[Customize]   [Go Back]   [Install]
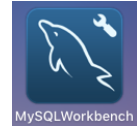
- Use Legacy Password Encryption

- You can create your own password of the Root user and please REMEMBER your password.
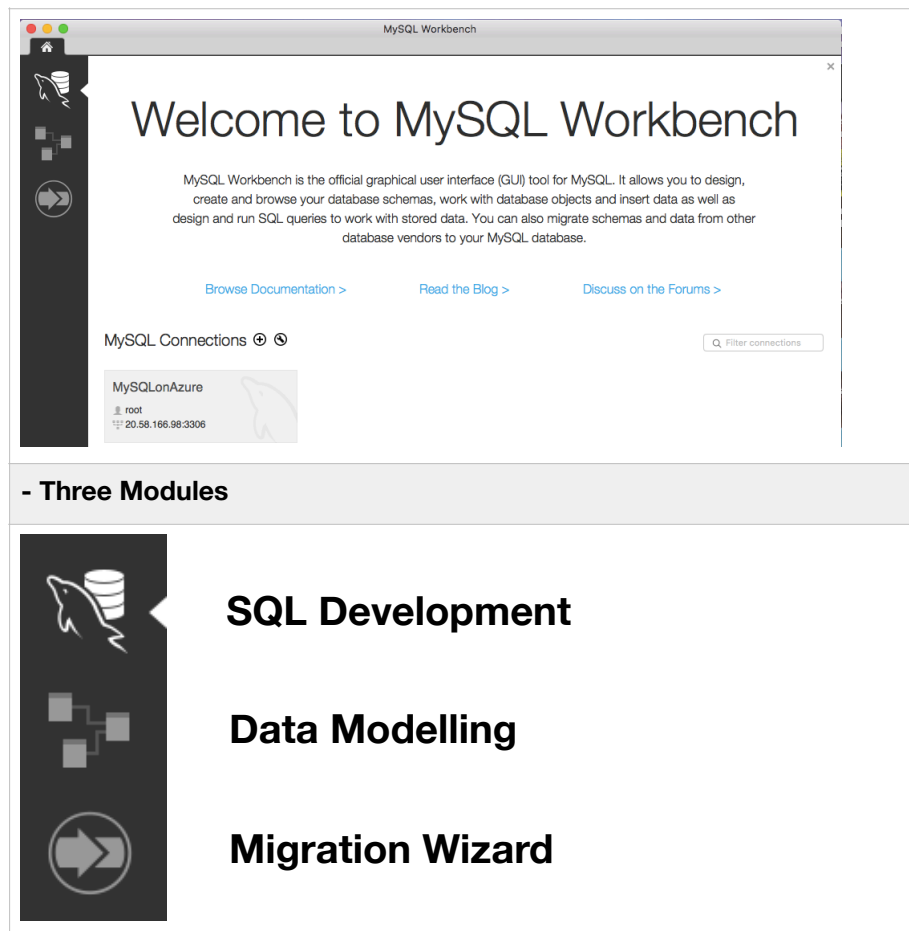
Basic MySQL Command Summary

- Open the Terminal/Command Prompt and run the following commands:

- mysql -u root -p - h localhost

- show databases ;

- use [database_name] ;

- show tables ;

- describe [table_name] ;

- select * from mysql.user \G

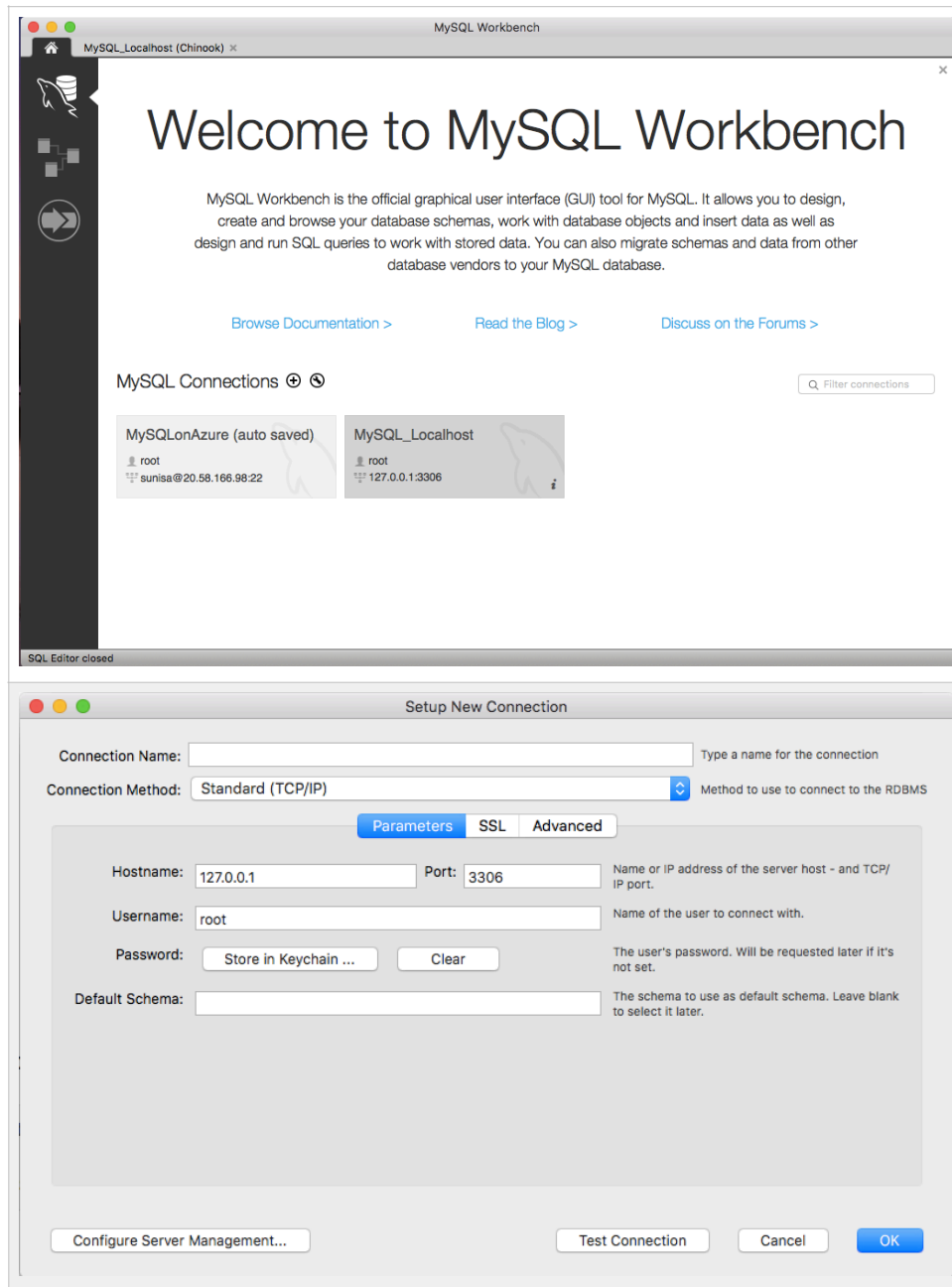- show grants for 'root'@'localhost' ;

- exit

Task 2: MySQL Workbench Installation and Configuration
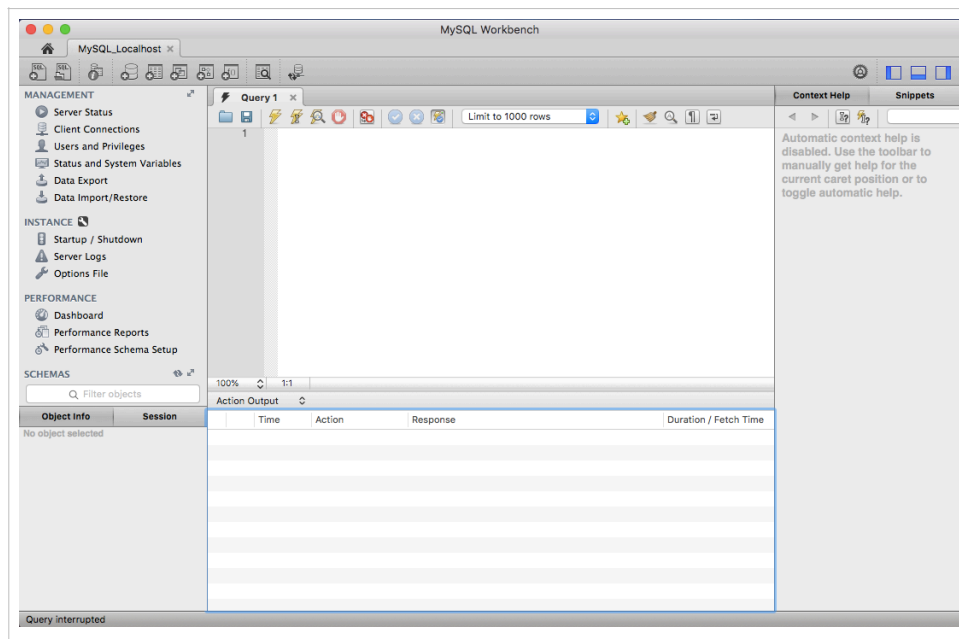
<u>Task 2.1</u>: Installing

- Download: https://dev.mysql.com/downloads/workbench/

- Source: https://dev.mysql.com/doc/workbench/en/wb-installing.html

- Three Modules

SQL Development

Data Modelling

Migration Wizard

Task 2.2: Creating A New MySQL Connection

Tutorial: https://dev.mysql.com/doc/workbench/en/wb-getting-started-tutorial-create-connection.html

Task 3: Creating a new database named "classicmodels"

Source: https://www.mysqltutorial.org/mysql-sample-database.aspx

The `classicmodels` database is a retailer of scale models of classic cars database. It contains typical business data such as customers, products, sales orders, sales order line items, etc.
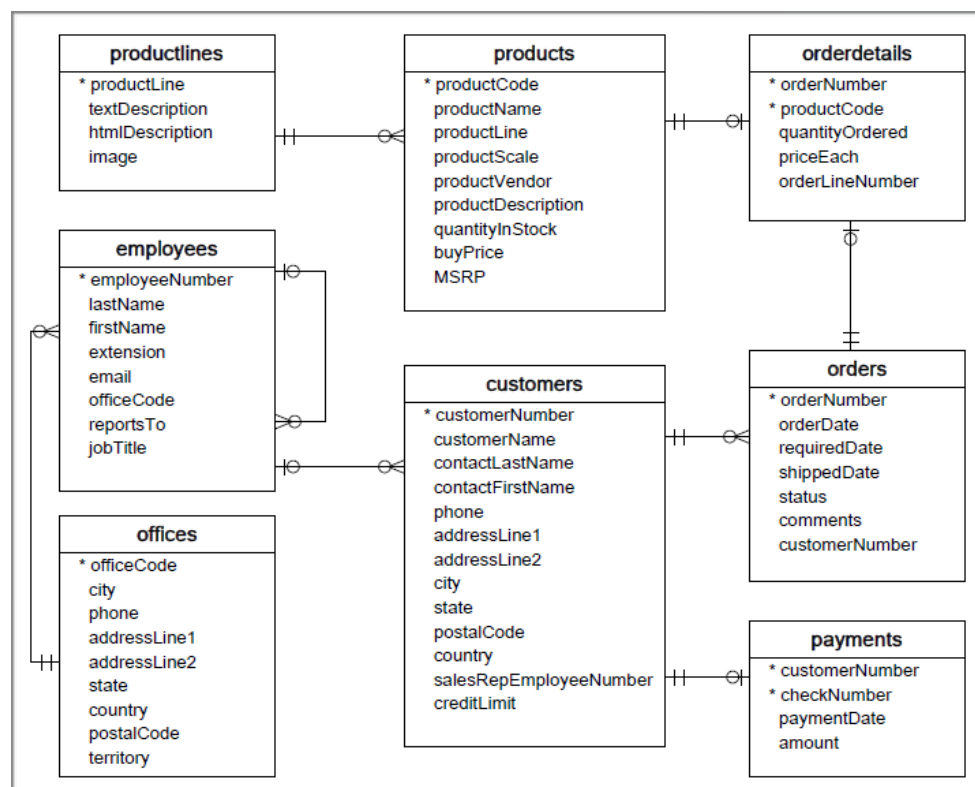
- Download and run a script named "mysqlsampledatabase.sql" from MS teams/LEB2
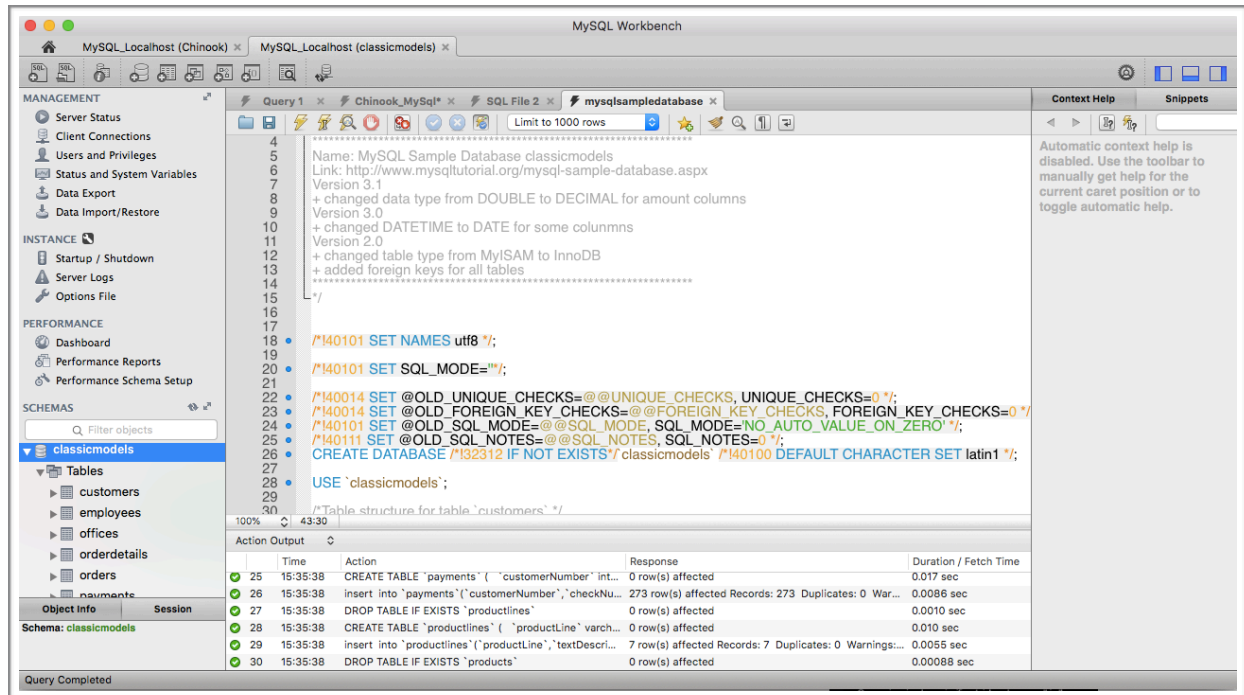
- Try to type SQL statement to retrieve data from the Classicmodels database.