**IS 306 Data Management Communications and Networking**

**HOP01C – Importing a Sample Database**

1/3/2019 Developed by Clark Ngo

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**Before You Start**

* Version numbers may not match with the most current version at the time of writing. If given the option to choose between stable release (long-term support) or most recent, please choose the stable release rather than beta-testing version.
* This tutorial targets Windows users and MacOS users.
* There might be subtle discrepancies along the steps. Please use your best judgement while going through this cookbook style tutorial to complete each step.
* For your working directory, use your course number. This tutorial may use a different course number as an example.
* The directory path shown in screenshots may be different from yours.
* If you are not sure what to do or confused with any steps:
  1. Consult the resources listed below.
  2. If you cannot solve the problem after a few tries, ask a TA for help.

**Learning Outcomes**

Students will be able to:

* Importing a Sample Database

**Resources**

* Docker - <https://www.docker.com/>
* Docker Documentation - <https://docs.docker.com/>
* Docker Hub - <https://hub.docker.com/>
* MySQL - <https://www.mysql.com/>
* MySQL Documentation - <https://dev.mysql.com/doc/>
* MySQL Tutorial – <https://www.mysqltutorial.org/mysql-sample-database.aspx>
* Loading a Sample DB - <https://www.mysqltutorial.org/how-to-load-sample-database-into-mysql-database-server.aspx>

**Preparation**

**Run your Docker Application**

1. Find the Docker App and double-click

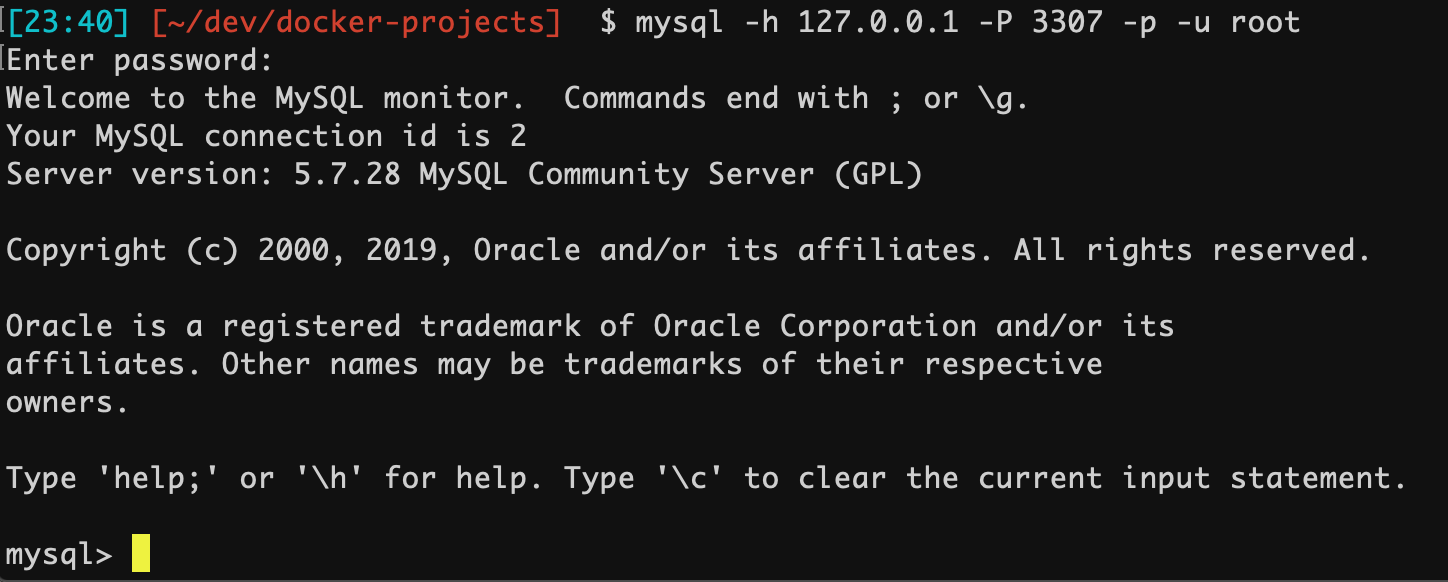
**Run an MySQL interactive shell**

1. Open your terminal / command prompt and type the following:

mysql -h 127.0.0.1 -P 3307 -p -u root

When prompted for password: *passwd*

Example output in MacOS:

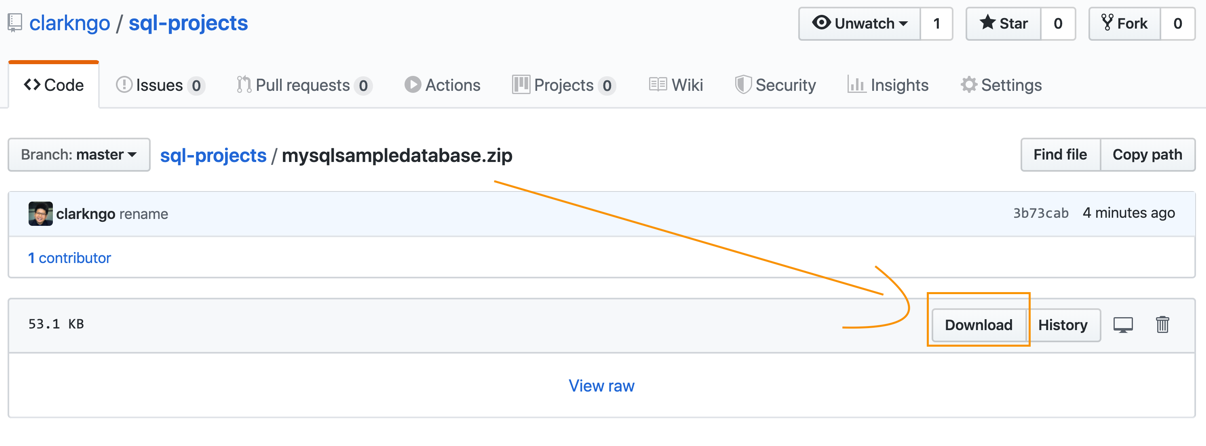


**Importing a Sample Database**

**Download the sample database**

1. Click the link below and click the **Download** button

<https://github.com/clarkngo/sql-projects/blob/master/mysqlsampledatabase.zip>



**Execute script to create database using “source” command**

1. Go back to your MySQL interactive shell

*Syntax: source PATH/mysqlsampledatabase.sql*

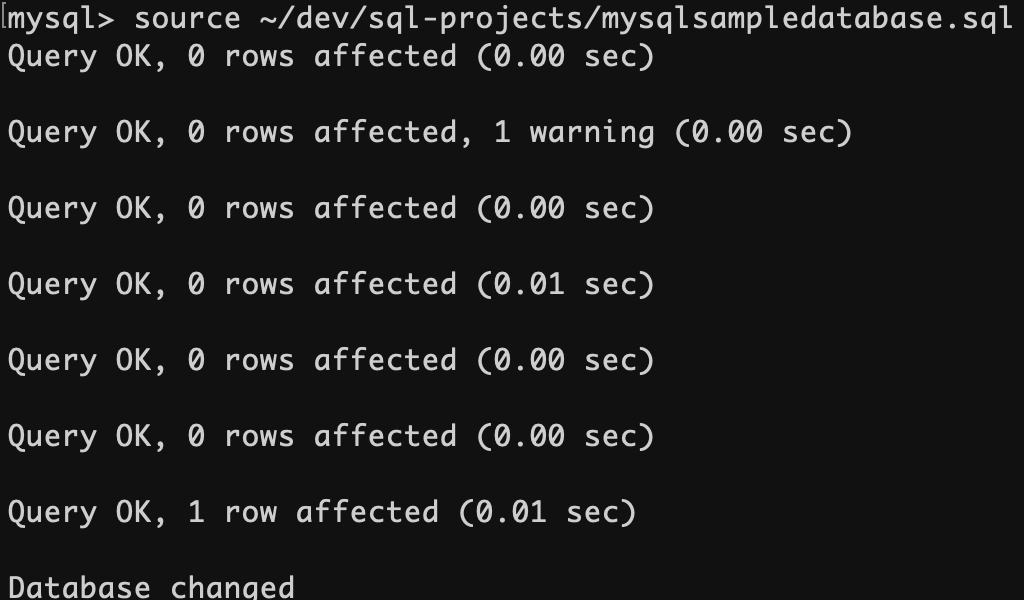
MacOS example in Terminal:

source ~/dev/sql-projects/mysqlsampledatabase.sql

Windows OS example in Command Prompt:

source c:\temp\mysqlsampledatabase.sql

Sample output:

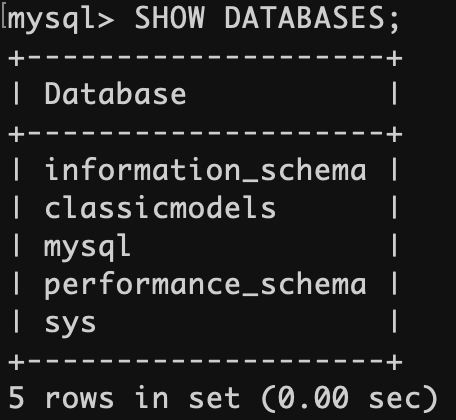


**Showing the List of Databases**

**Execute “SHOW DATABASES” command**

1. In your MySQL interactive shell

SHOW DATABASES;

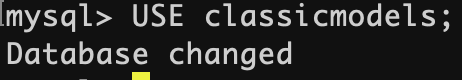


**Using a Database**

**Execute “USE” command**

1. In your MySQL interactive shell

USE classicmodels;



**Selecting Data from a Database**

**Execute “SELECT” command**

1. In your MySQL interactive shell

SELECT \* FROM customers;

