

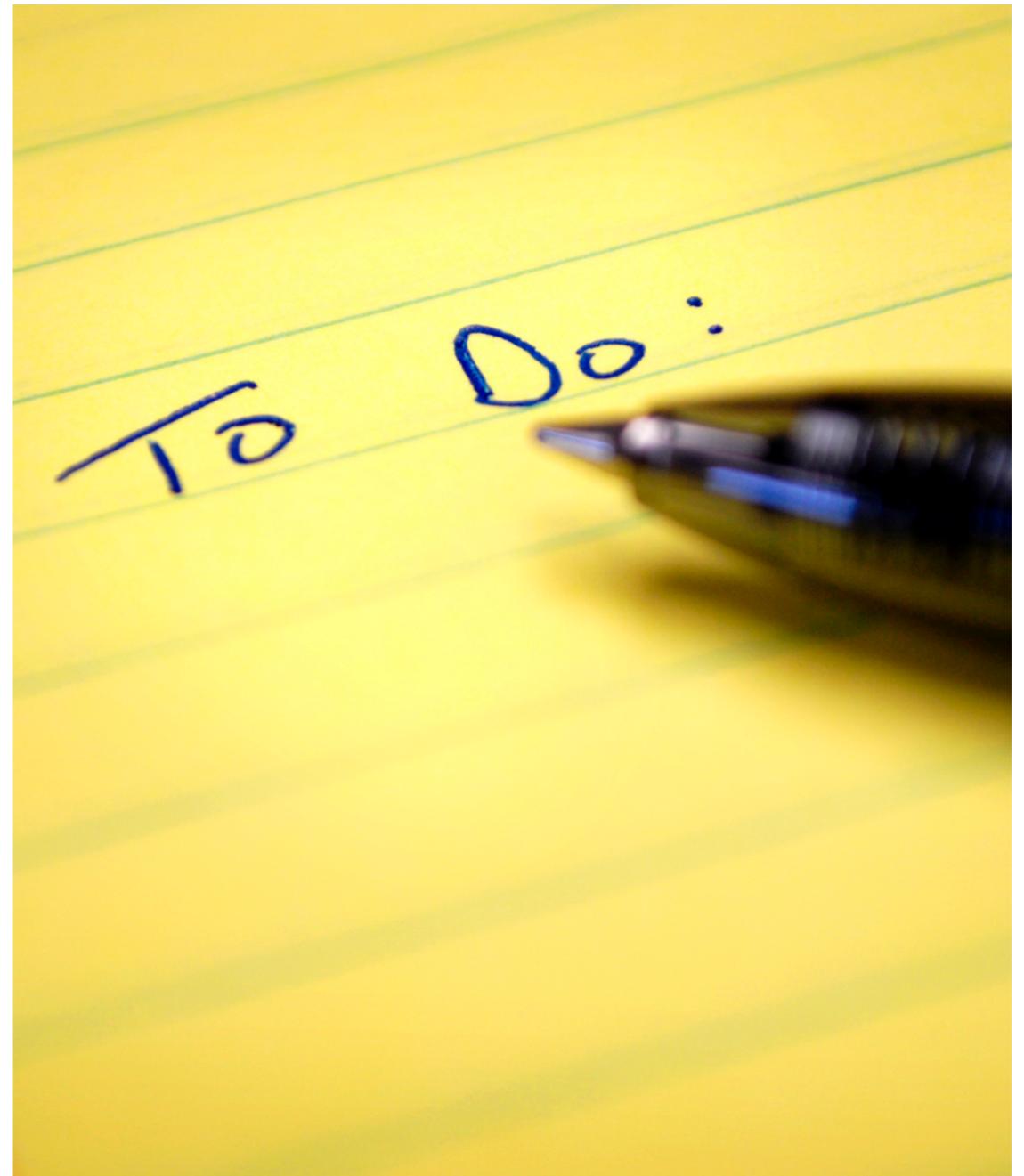
Introduction to MySQL Workbench

MDB | 2019

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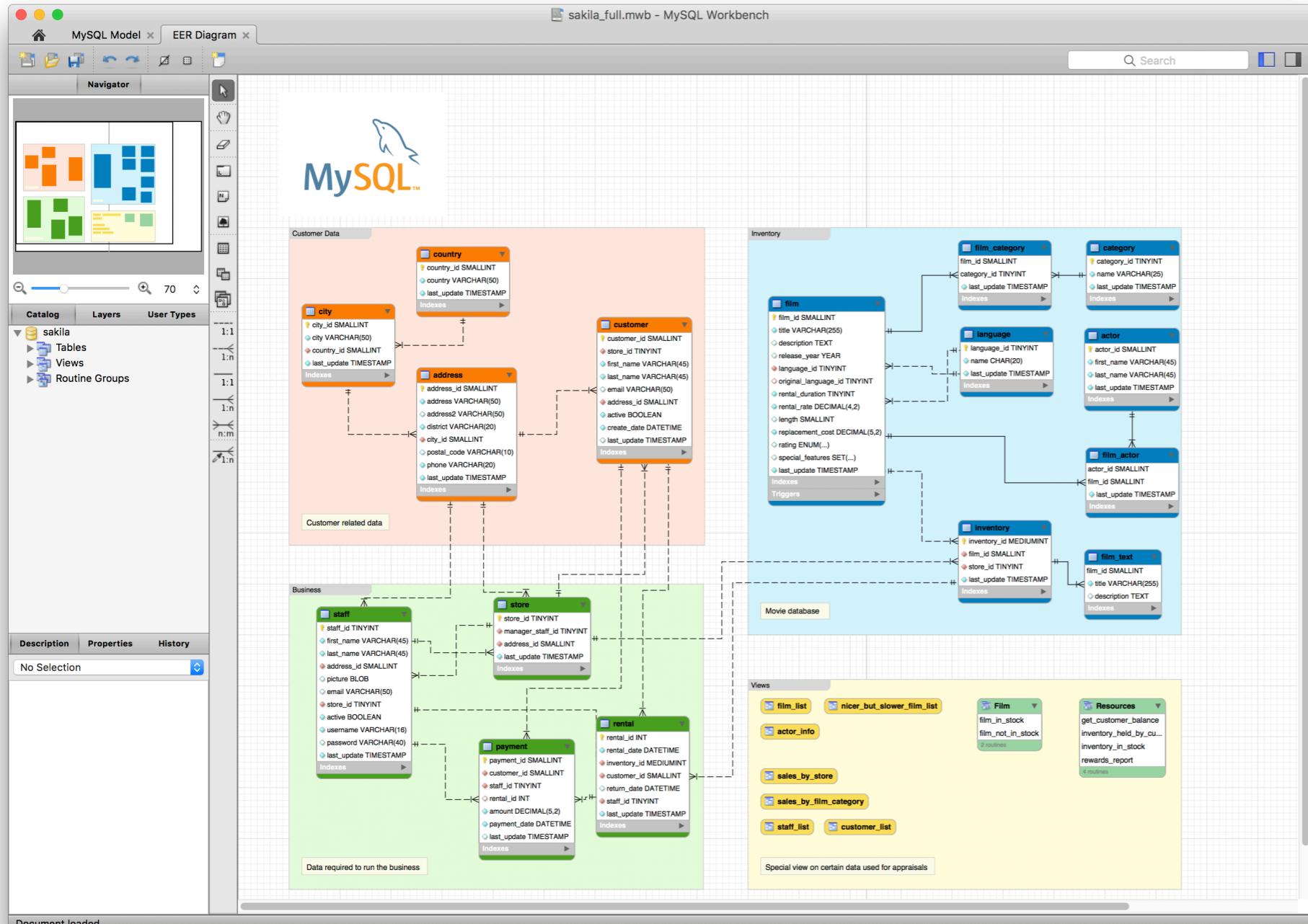
Outline

- Introduction to MySQL Workbench
- Important features



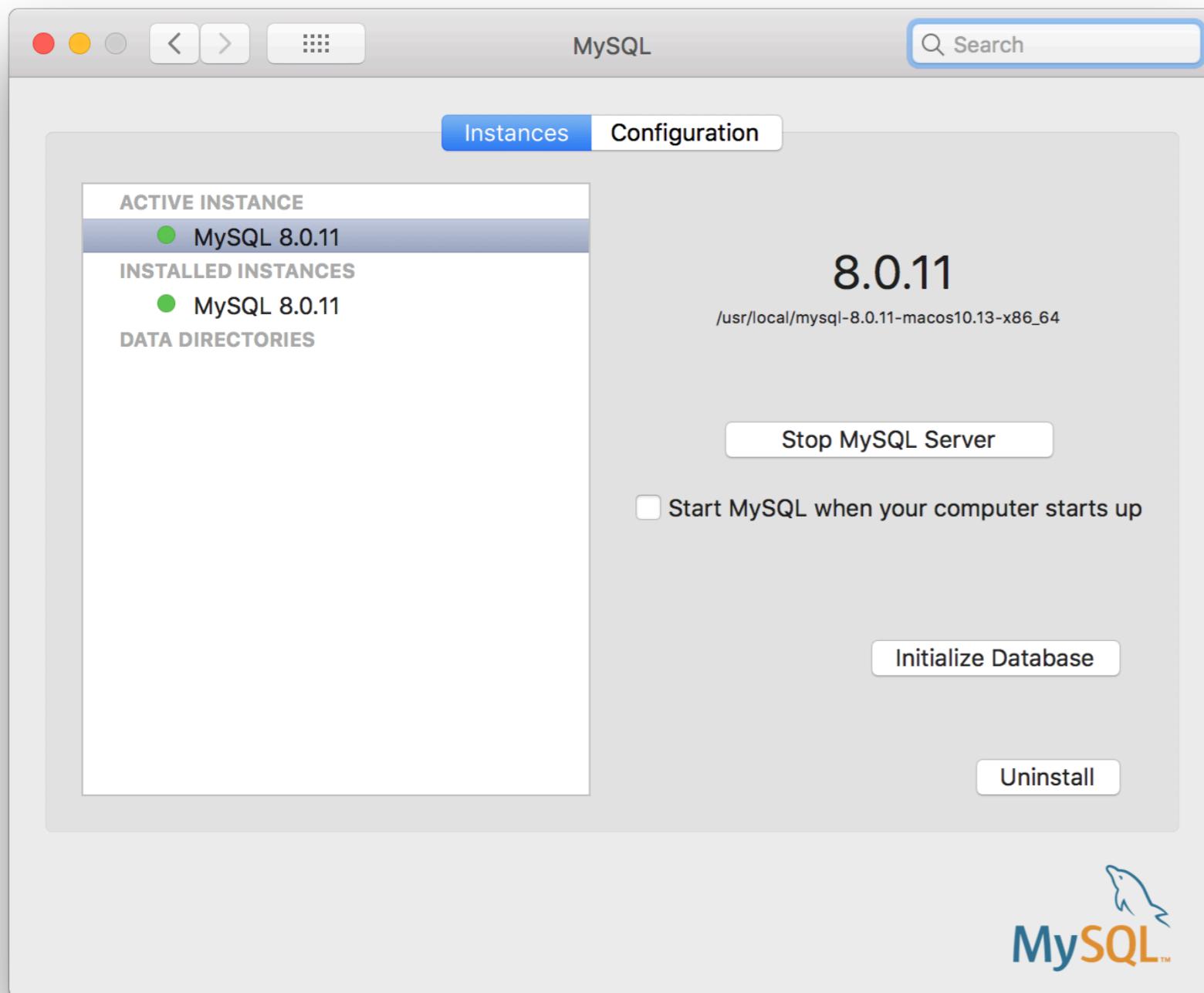
Introduction to MySQL Workbench

What is MySQL Workbench



- Visual DBA tool
- Provides:
 - Data modelling
 - SQL development
 - Database administration

Attention!



- MySQL database must be installed and active

Can I install MySQL Workbench?

Windows

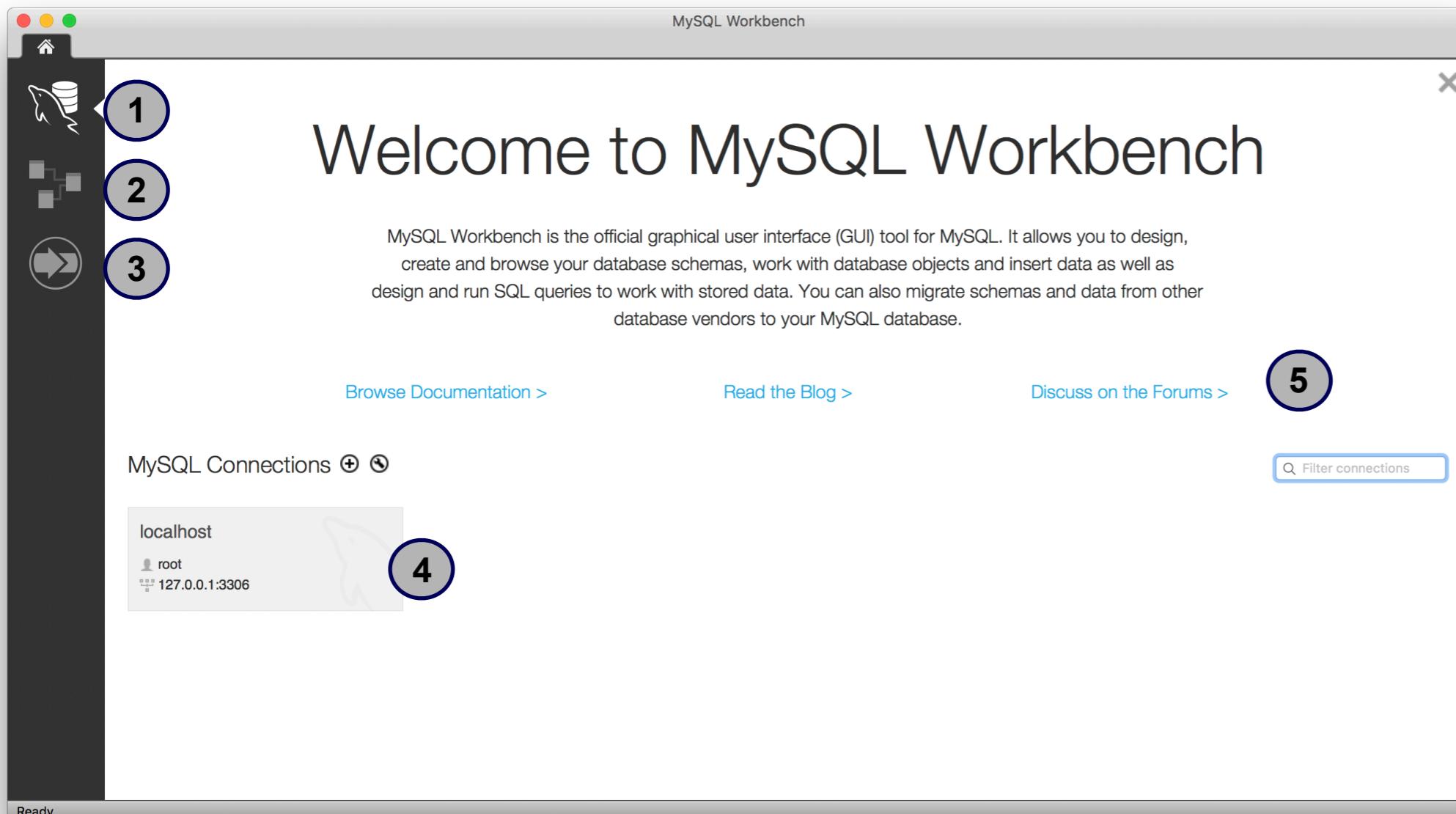
- Download the MySQL Bundle installer called MSI: <https://dev.mysql.com/downloads/installer/>

Mac

- Download the independent MySQL Workbench from: <https://dev.mysql.com/downloads/workbench/>

Note: follow the standard installation process for windows or Mac

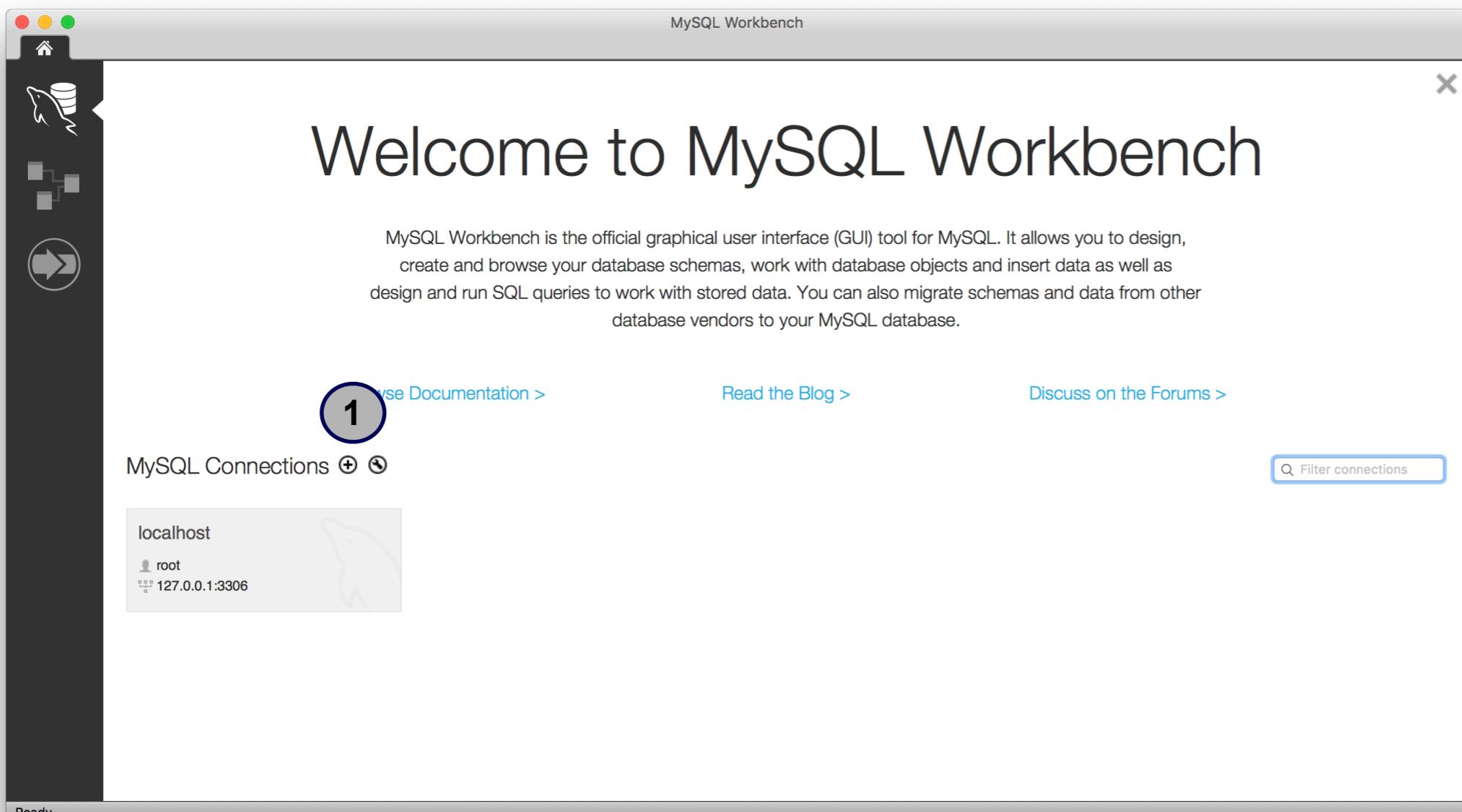
MySQL Workbench interface



- 1 **Connections**
- 2 **Schemas**
- 3 **Migration Wizard**
- 4 **Available connections**
- 5 **Resources**

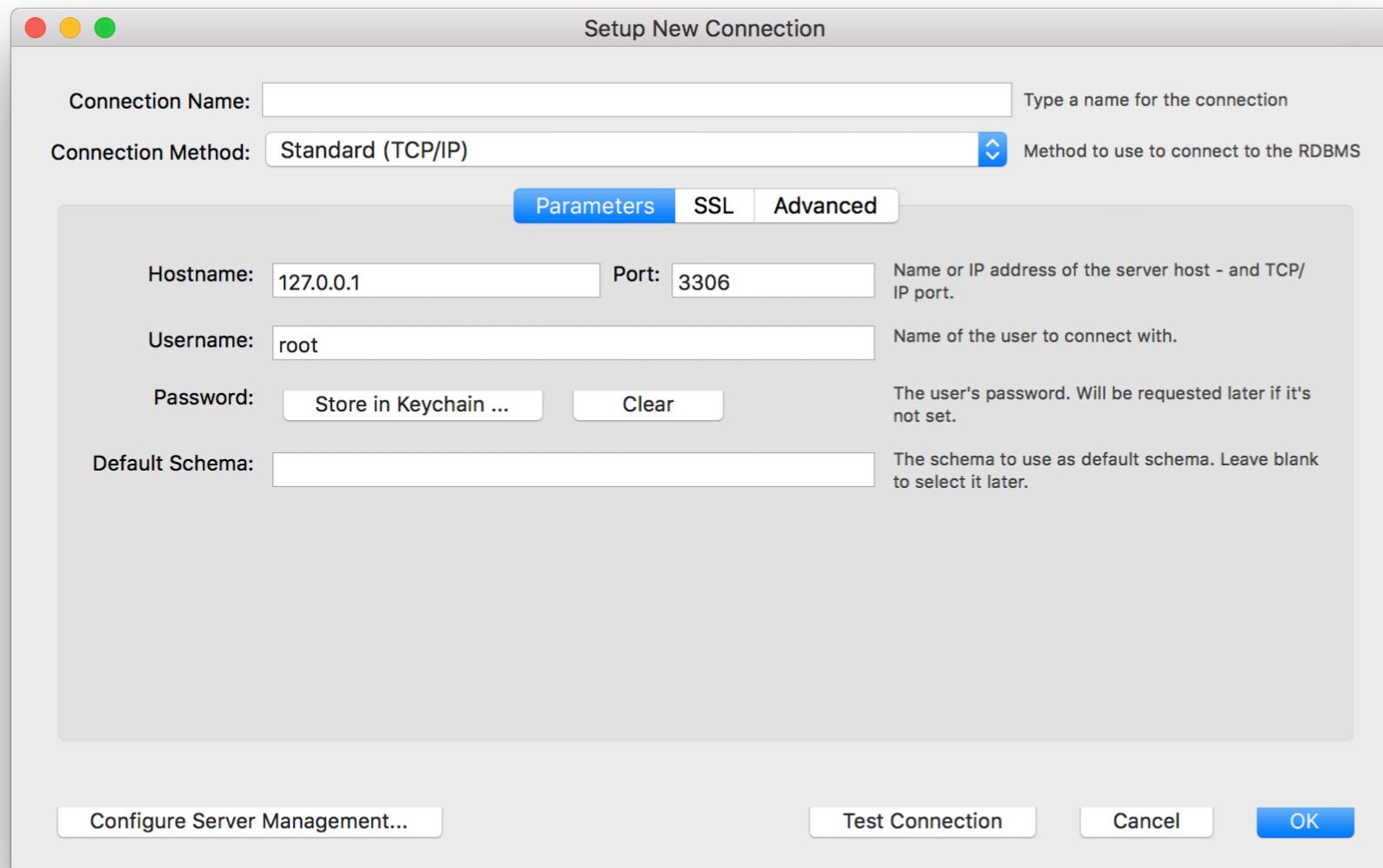
Important features (that we will use)

How to create a connection (I)



1 Click (+) icon

How to create a connection (II)



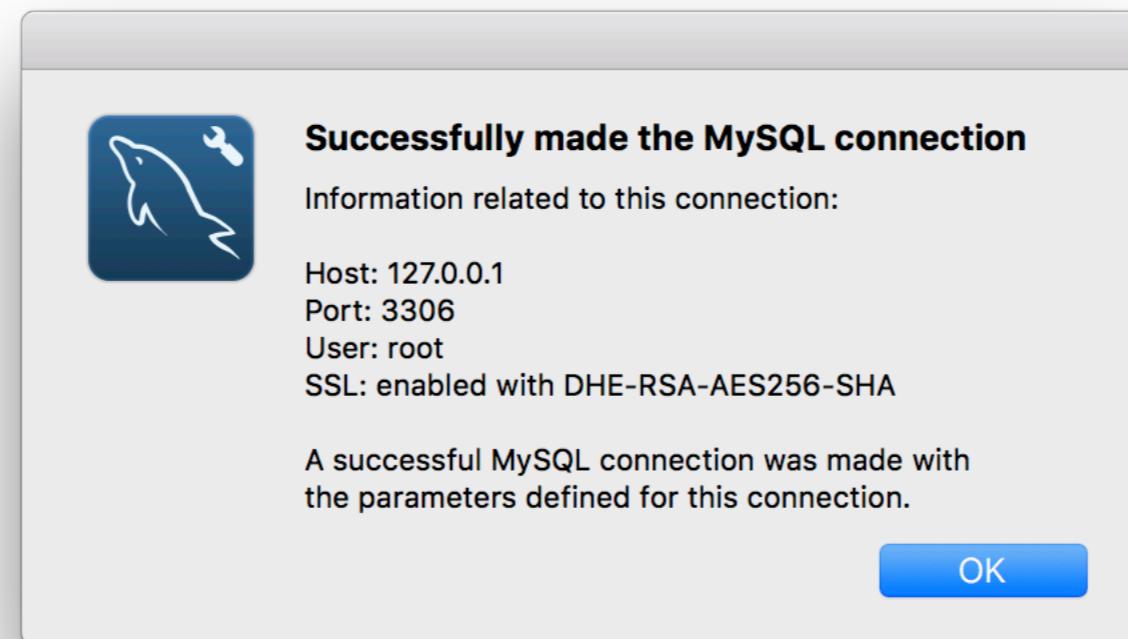
Complete the form with:

- Connection name: localhost
- User name: root
- Schema name: iembd2019

Don't change the other parameters (default value)

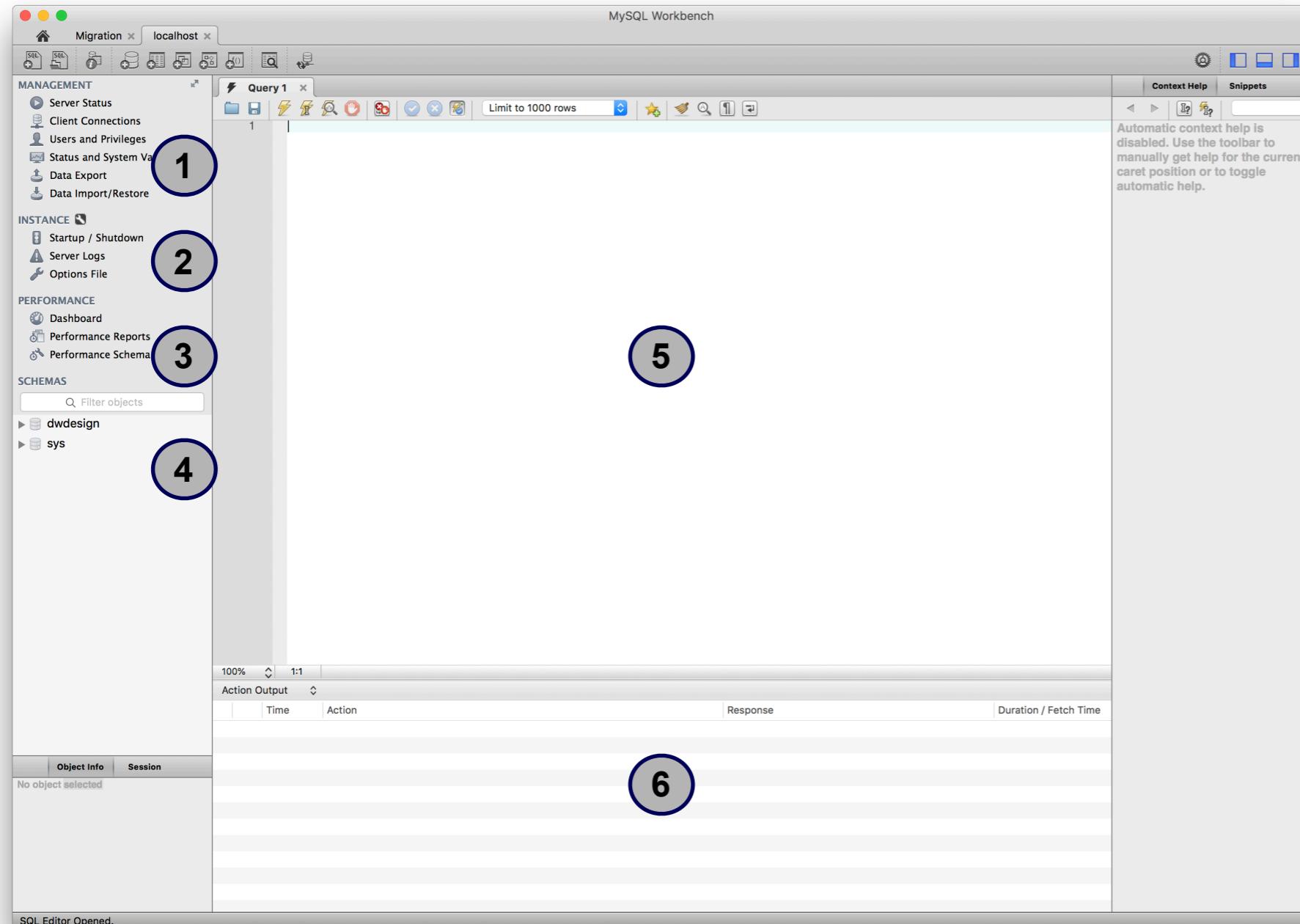
How to create a connection (III)

If you press “Test Connection”:



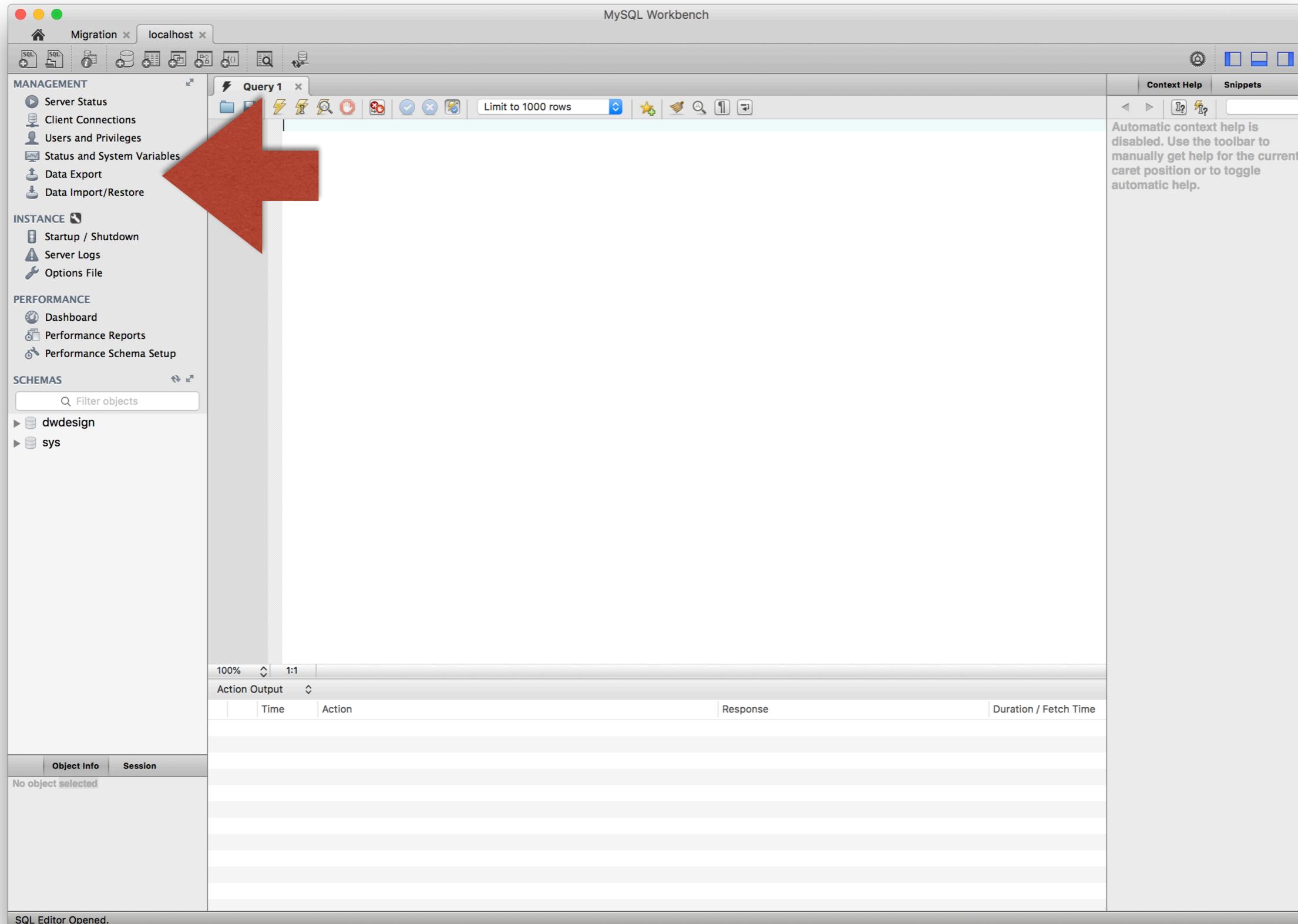
How to create a connection (IV)

Once connected:



- 1 Management
- 2 Instances
- 3 Performance
- 4 Schemas
- 5 SQL Query
- 6 SQL Query output

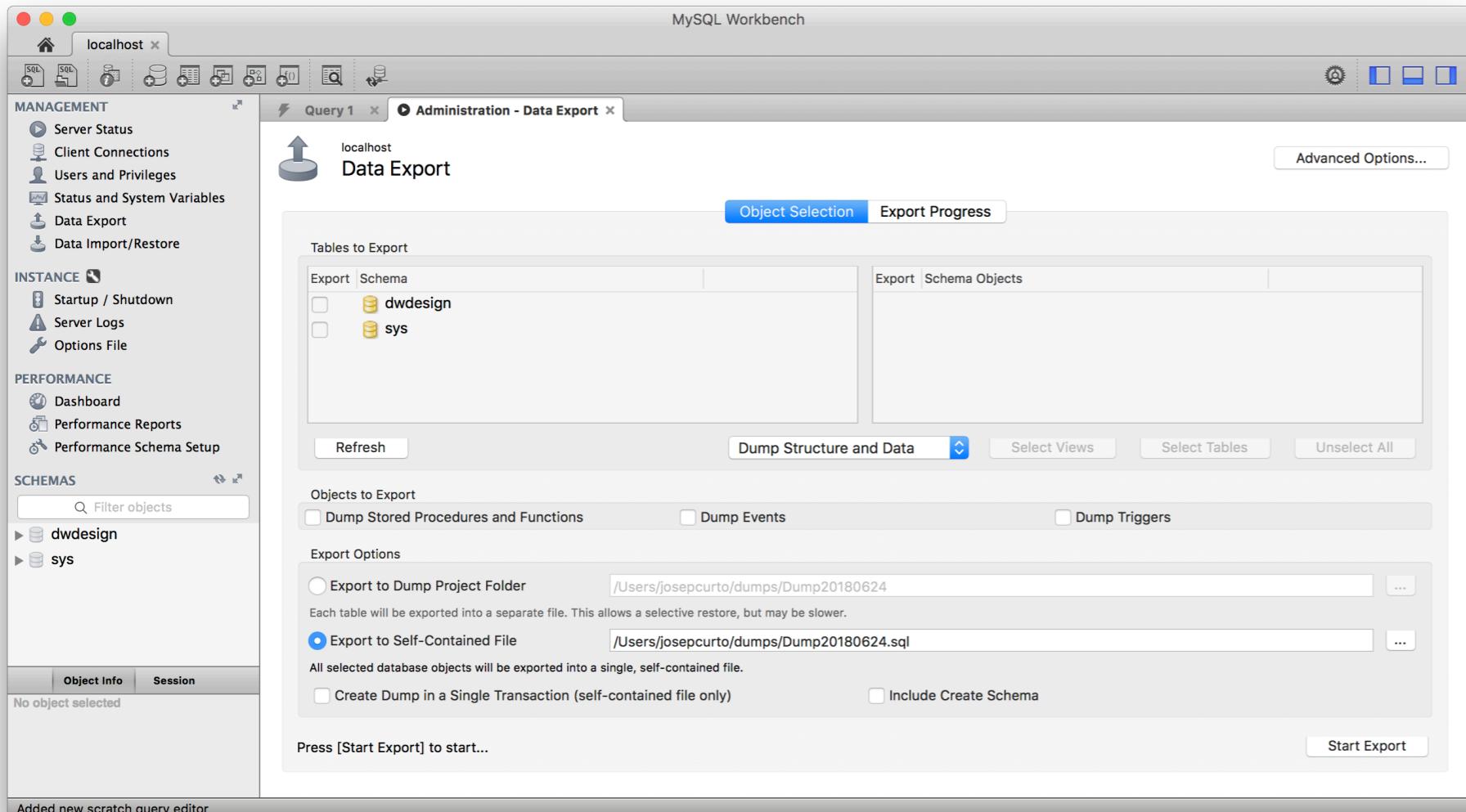
How to export data from MySQL (I)



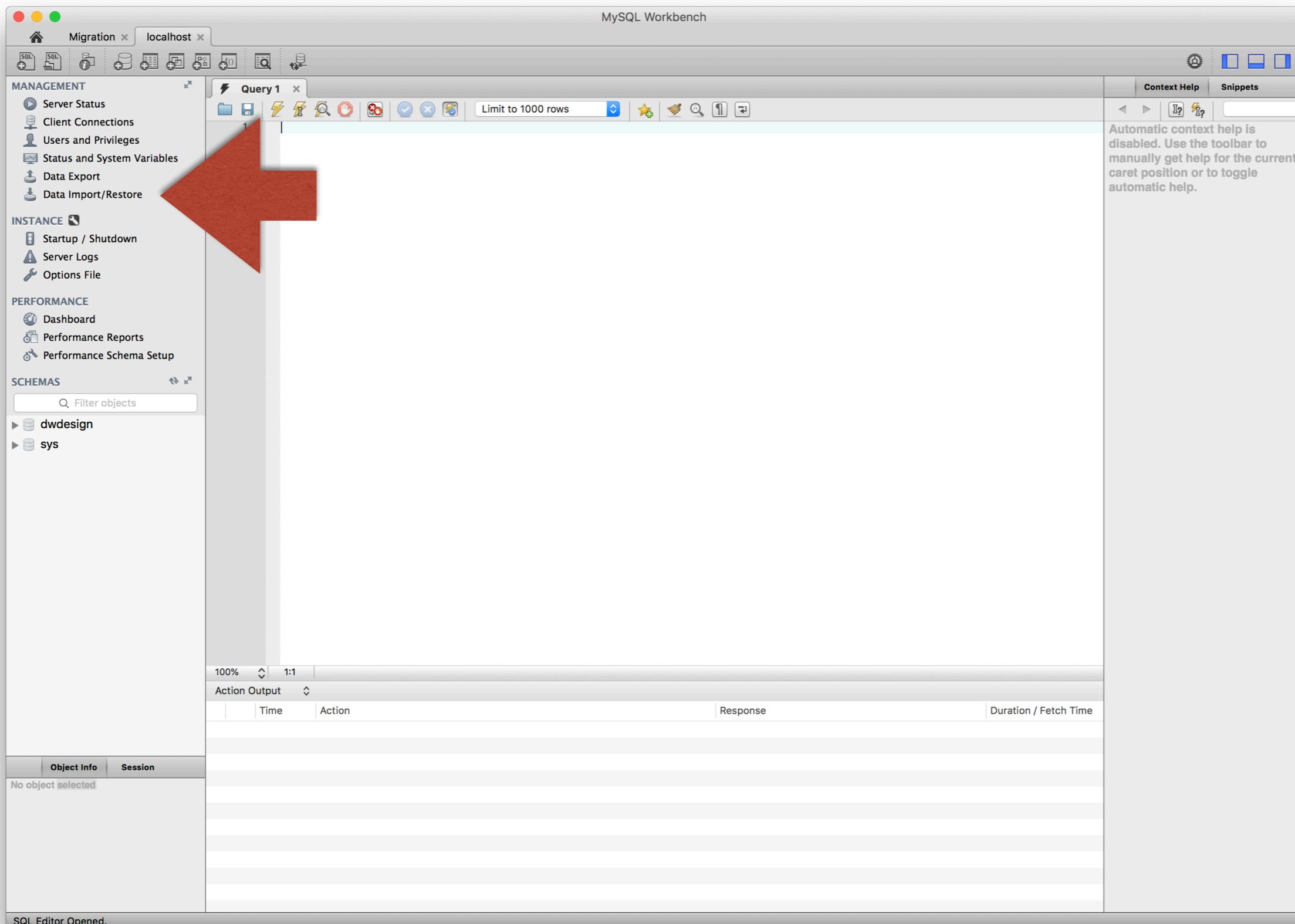
How to export data from MySQL (II)

Steps:

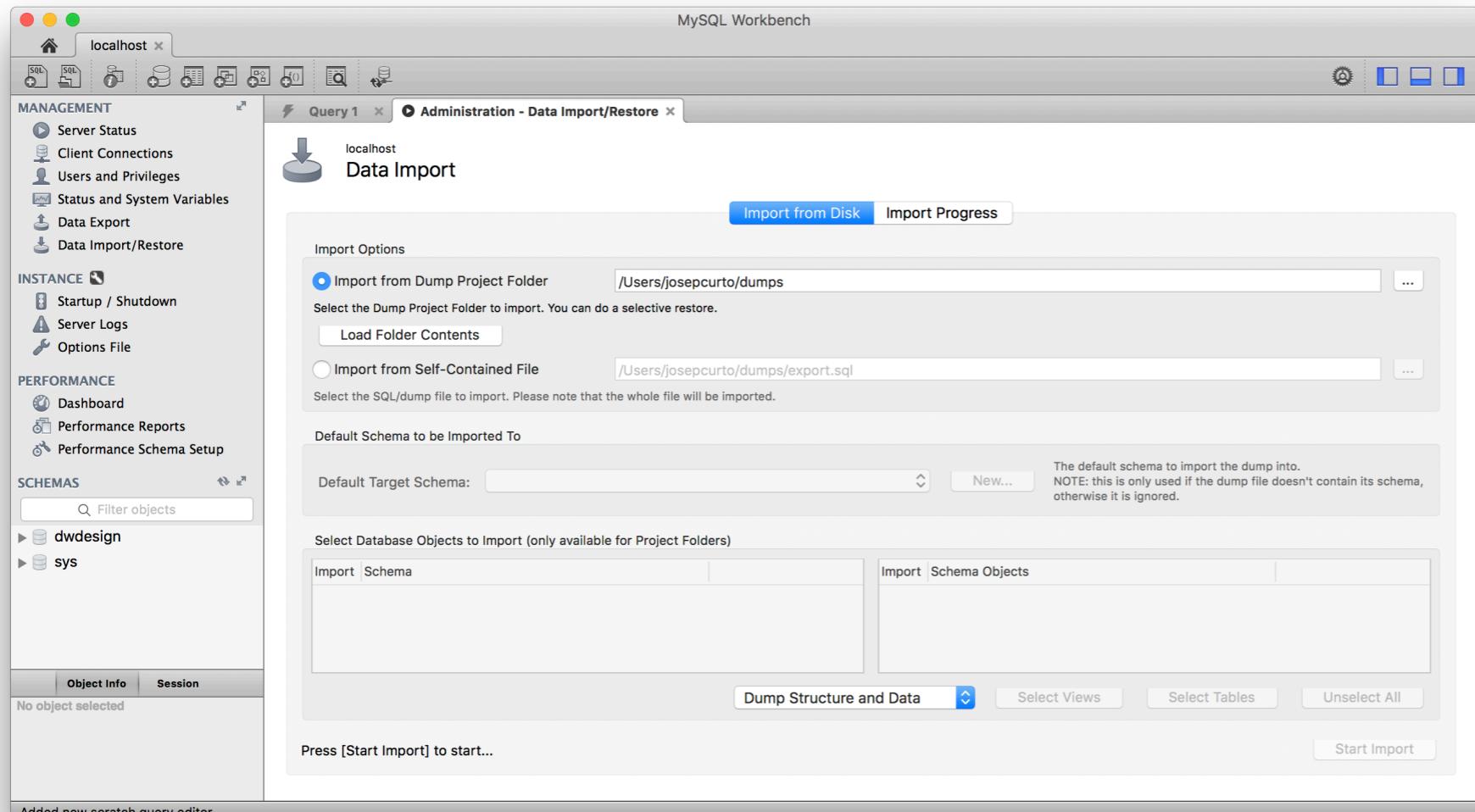
- Select schema
- Select tables in the schema
- Export to self-contained file
- Change file name
- Include create schema
- Press “Start export”



How to import data to MySQL (I)



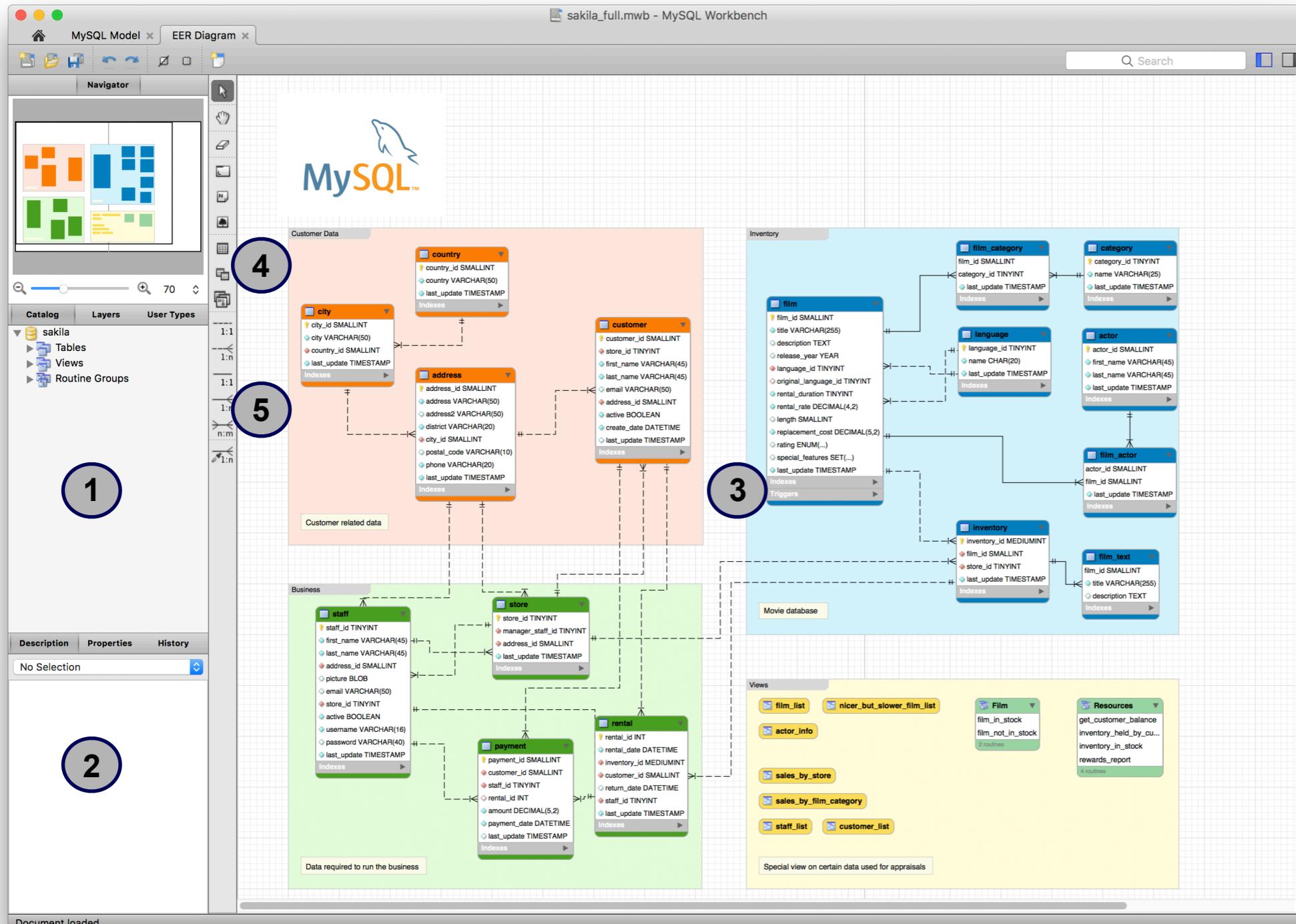
How to import data to MySQL (II)



Steps:

- Import from self-contained file
- Select or create schema (if not created in the script)
- Start import

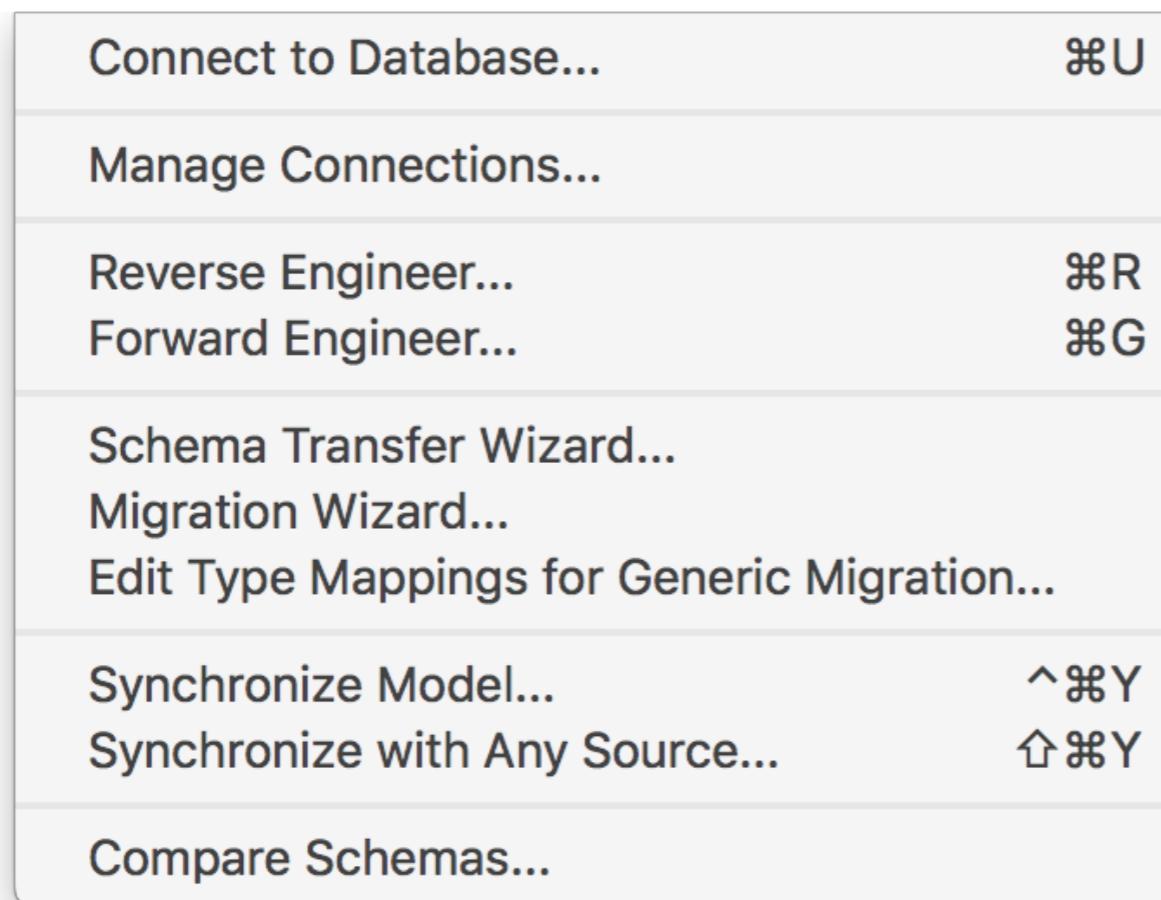
Design a new schema



- 1 **Table, views and routines**
- 2 **Objects properties**
- 3 **Working Area**
- 4 **Elements: tables**
- 5 **Elements: connections**

How to push/retrieve a new schema

Steps:



- Use “Reverse Engineer” to push a schema to the database
- Use “Forward Engineer” to retrieve a schema from the database



