

# Introduction to MySQL Workbench

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Josep Curto | Professor, IE | CEO, Delfos Research

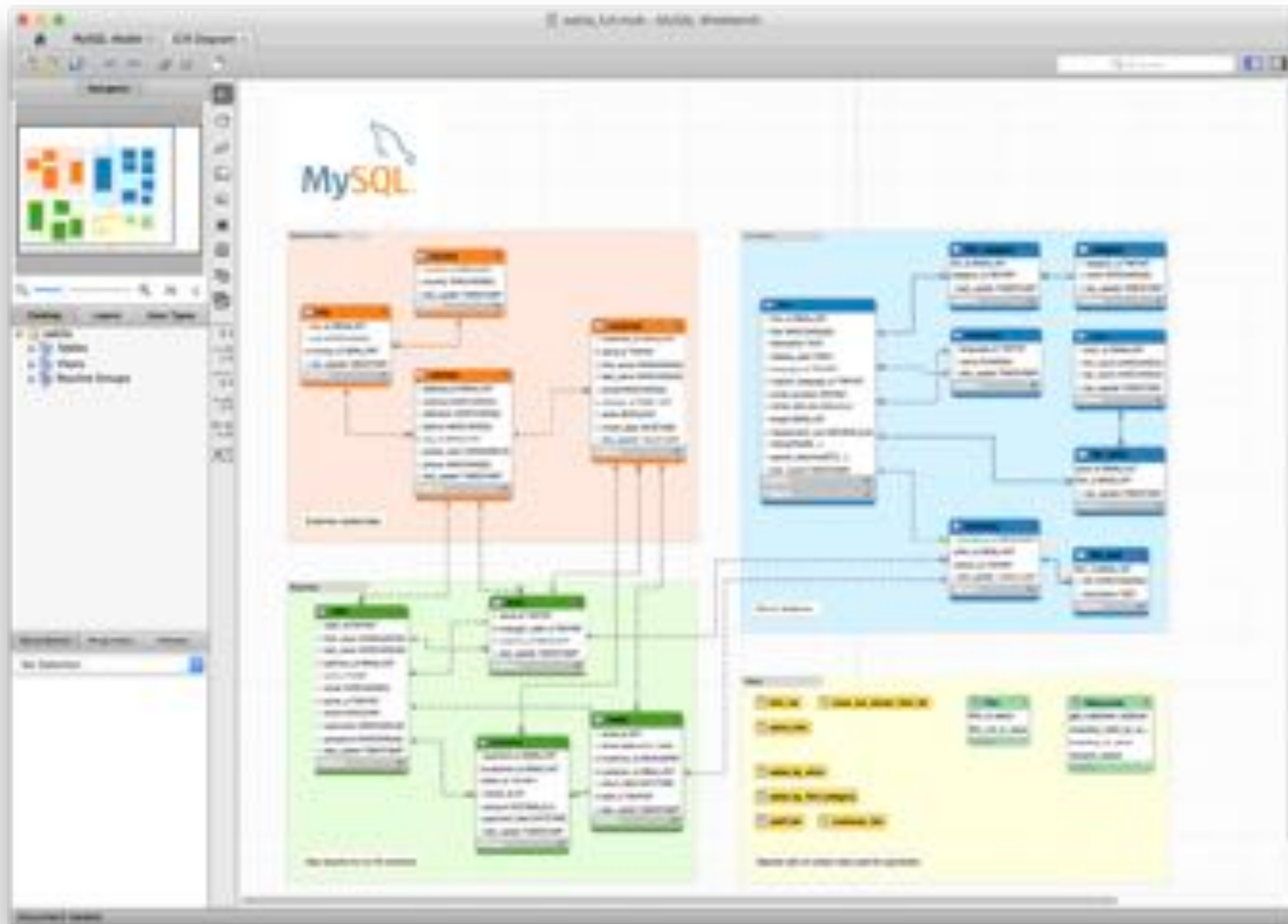
# Outline

- 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 on

# Can I install MySQL Workbench?

## Windows

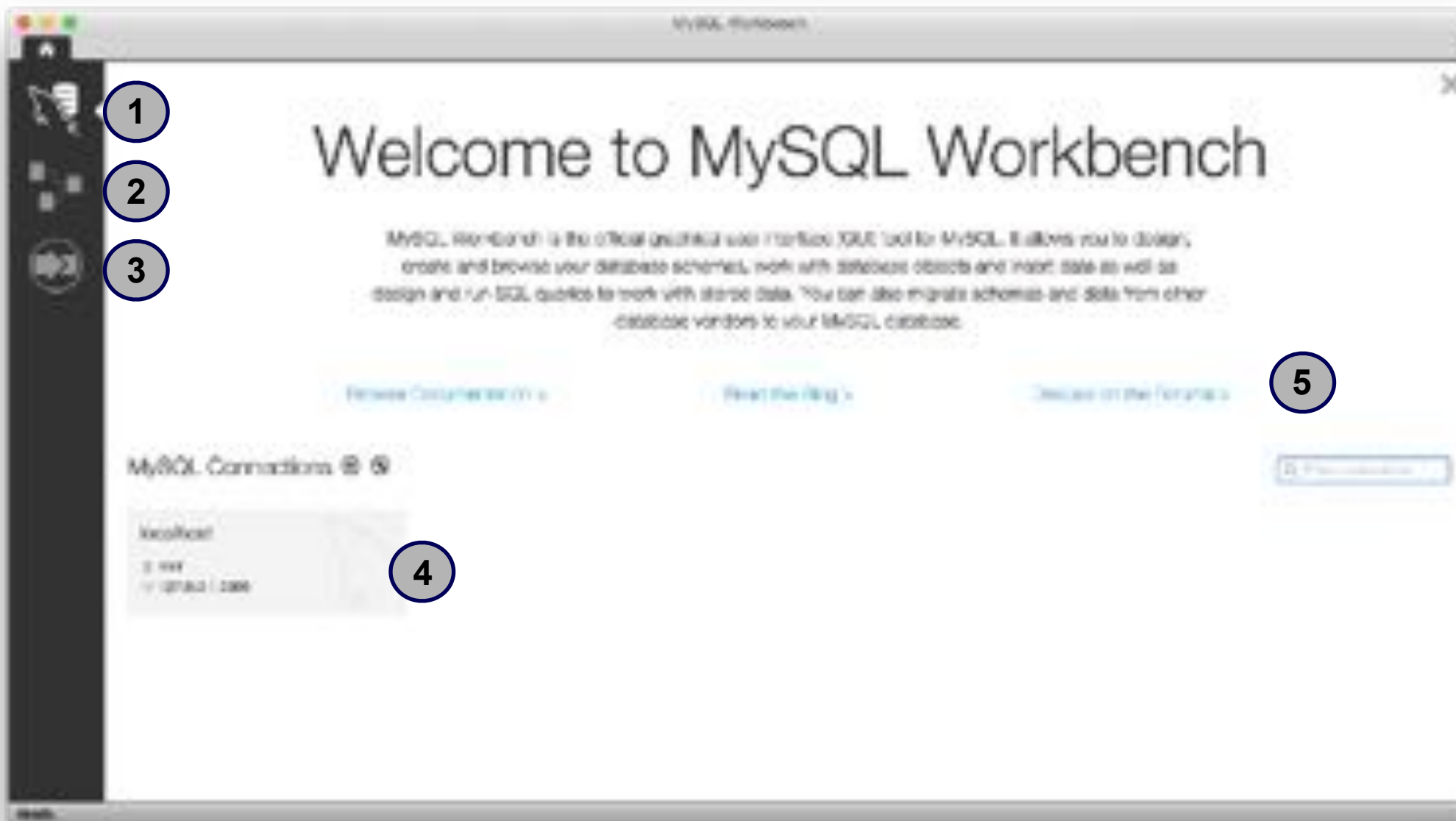
- Download the MySQL Bundle installer called MSI: <https://dev.mysql.com/downloads/installer/>

## 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)



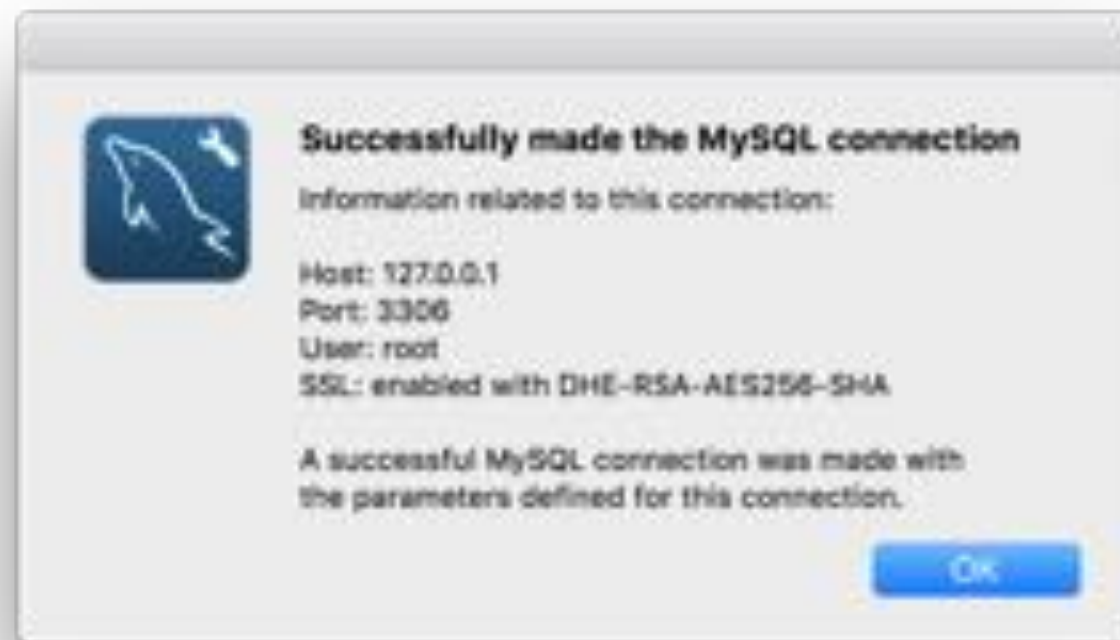
Complete the form with:

- Connection name: localhost
- User name: root
- Schema name: pentaho2018

Don't change the other parameters (default value)

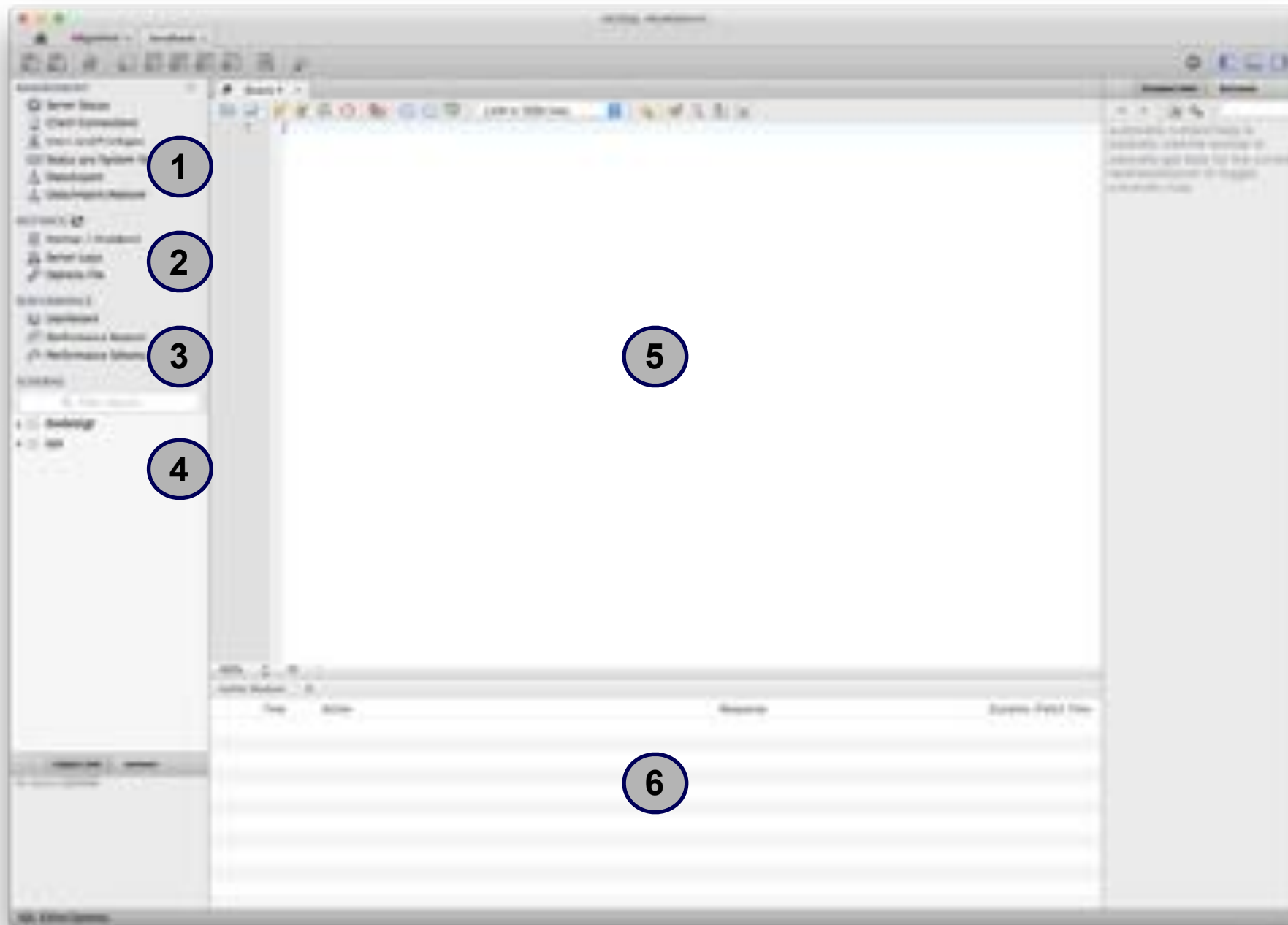
# How to create a connection (III)

If you press “Test Connection”:



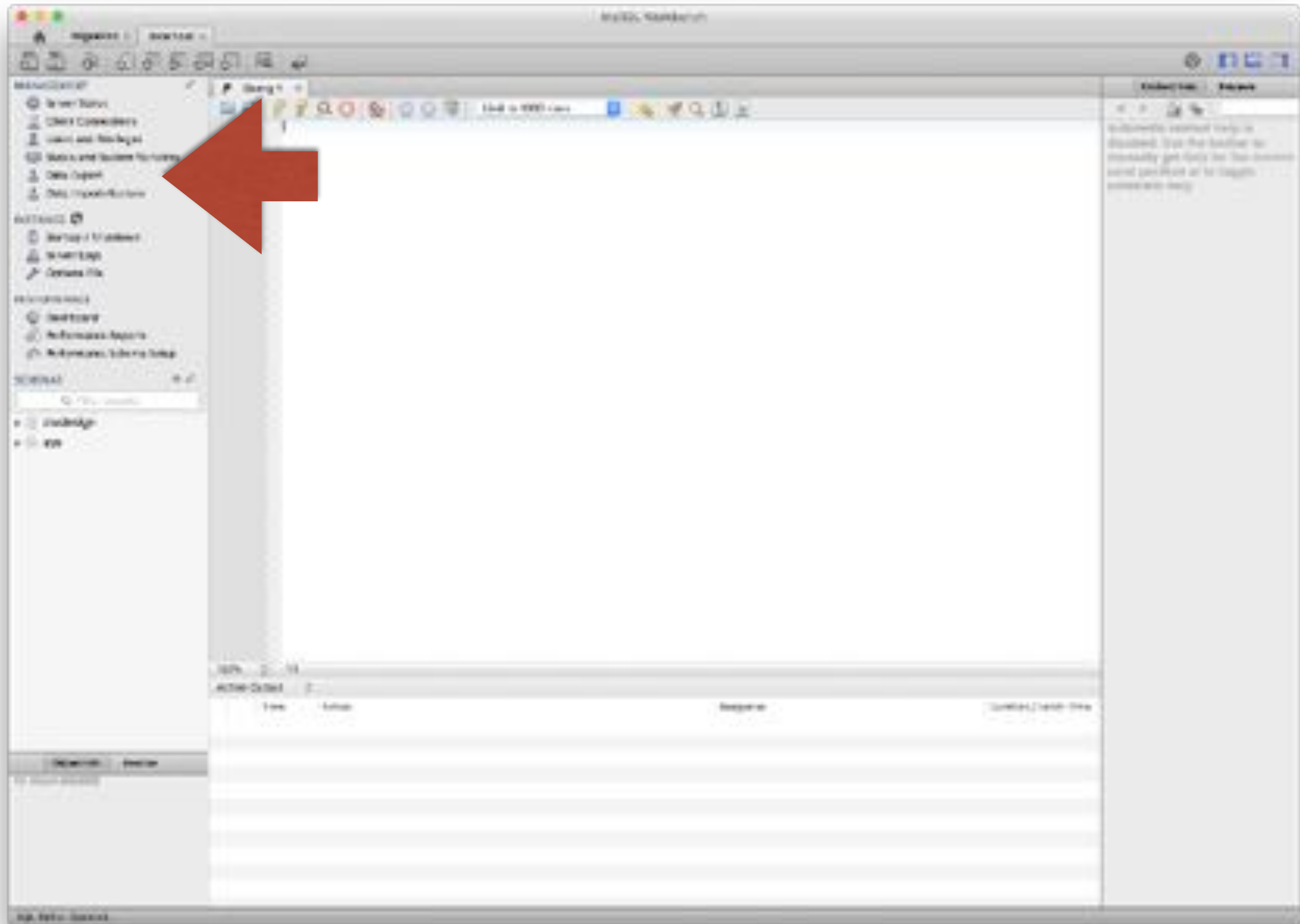
# How to create a connection (IV)

Once connected:



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

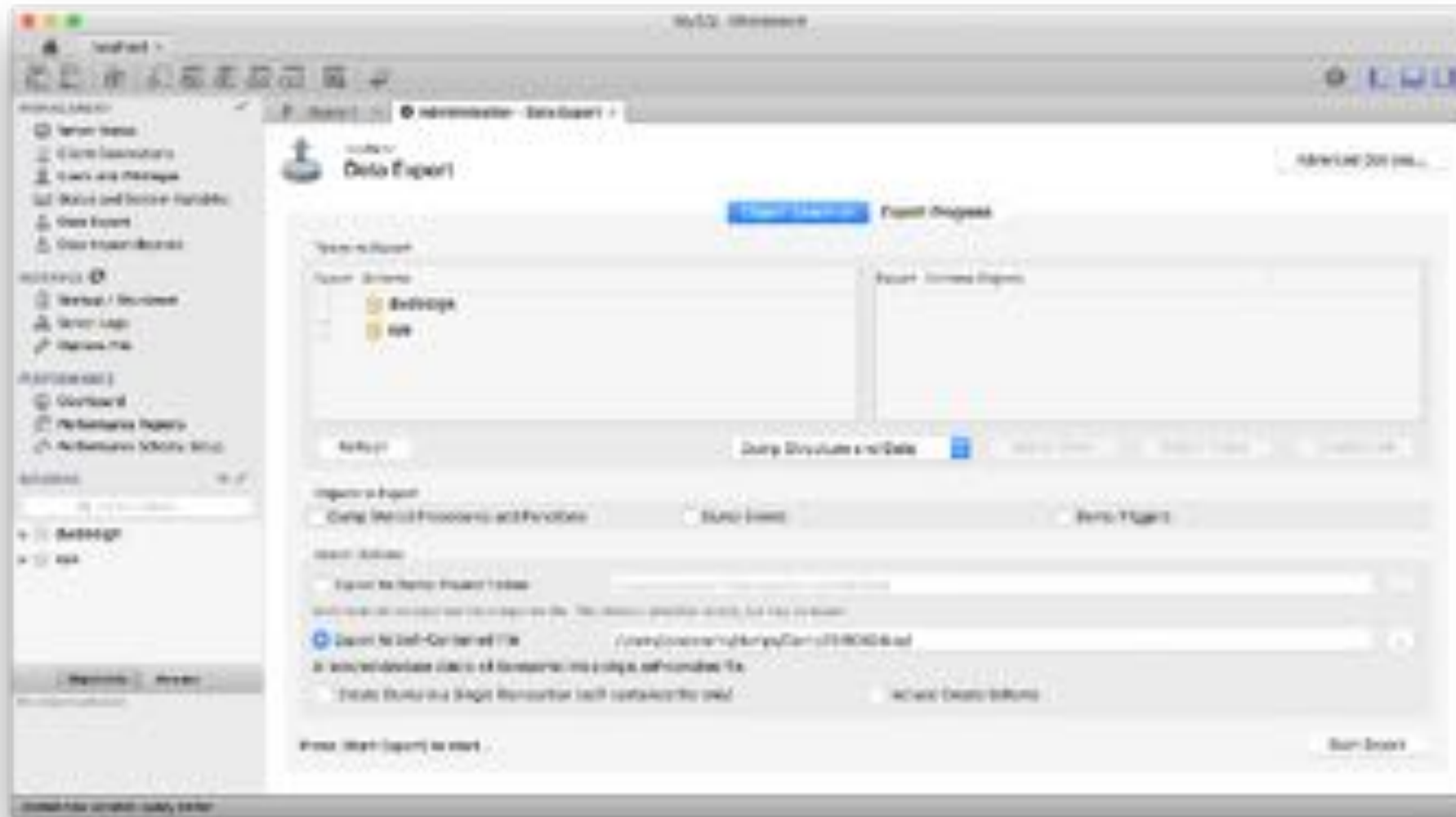
# How to export data from MySQL (I)



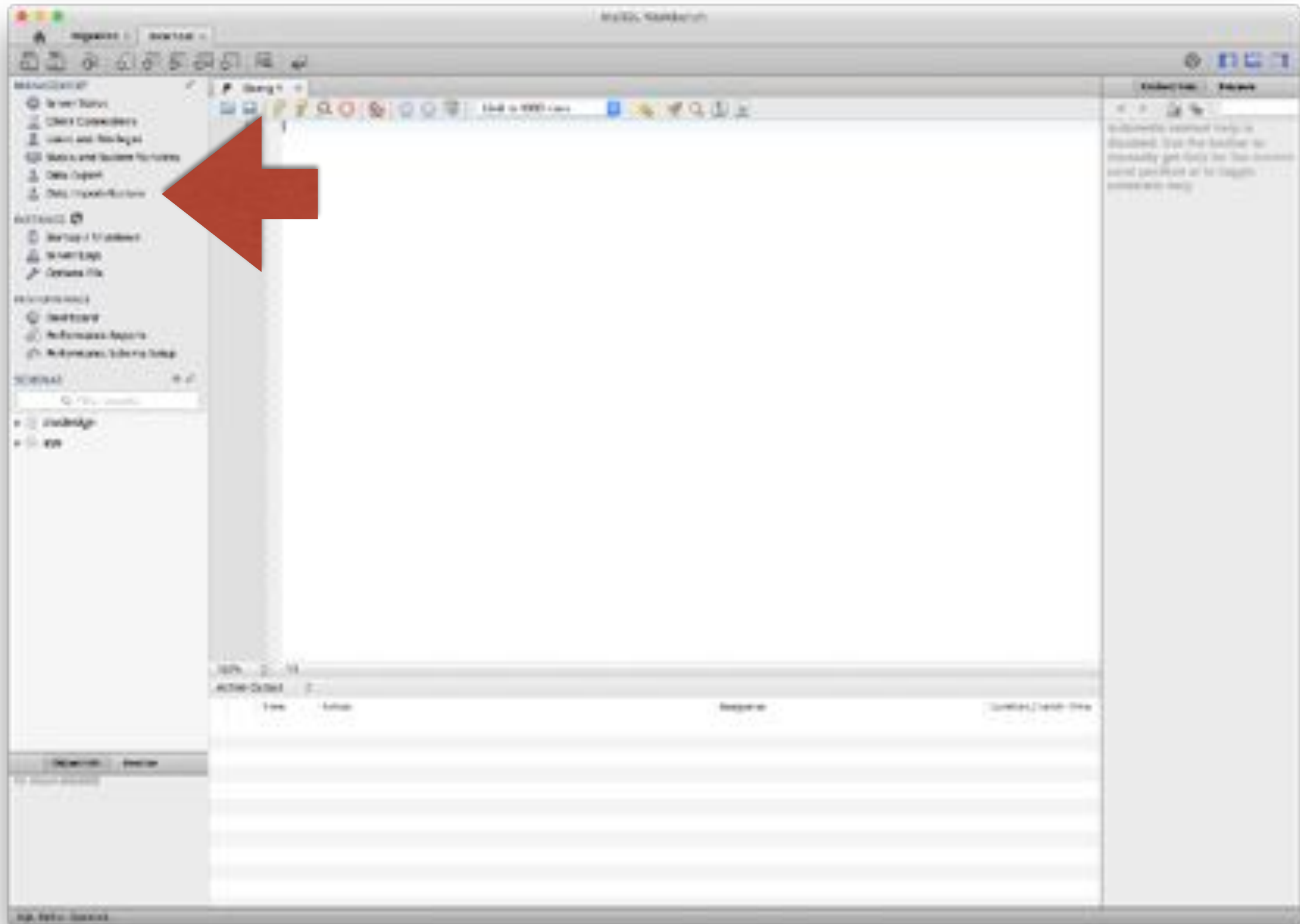
# How to export data from MySQL (II)

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)

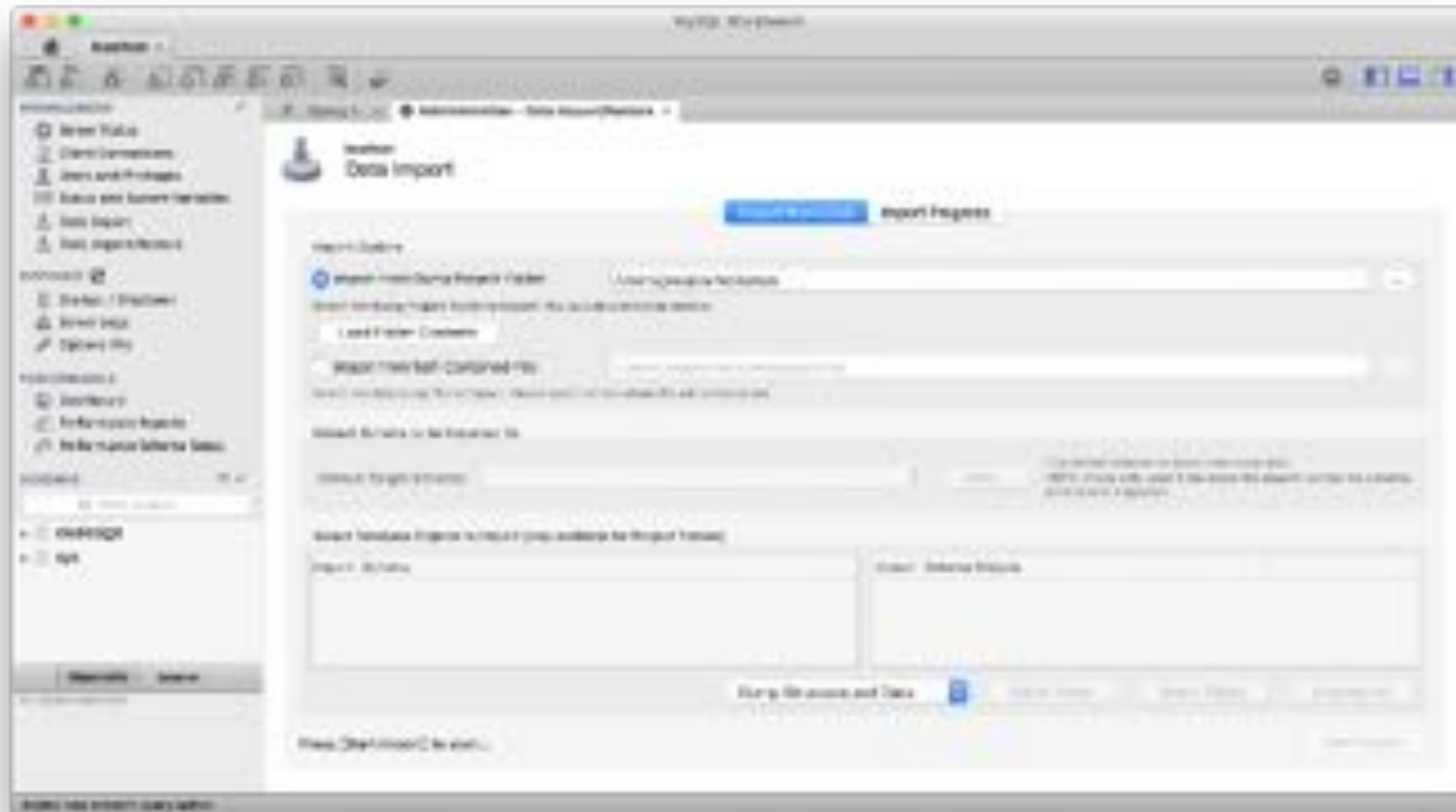




# How to import data to MySQL (II)

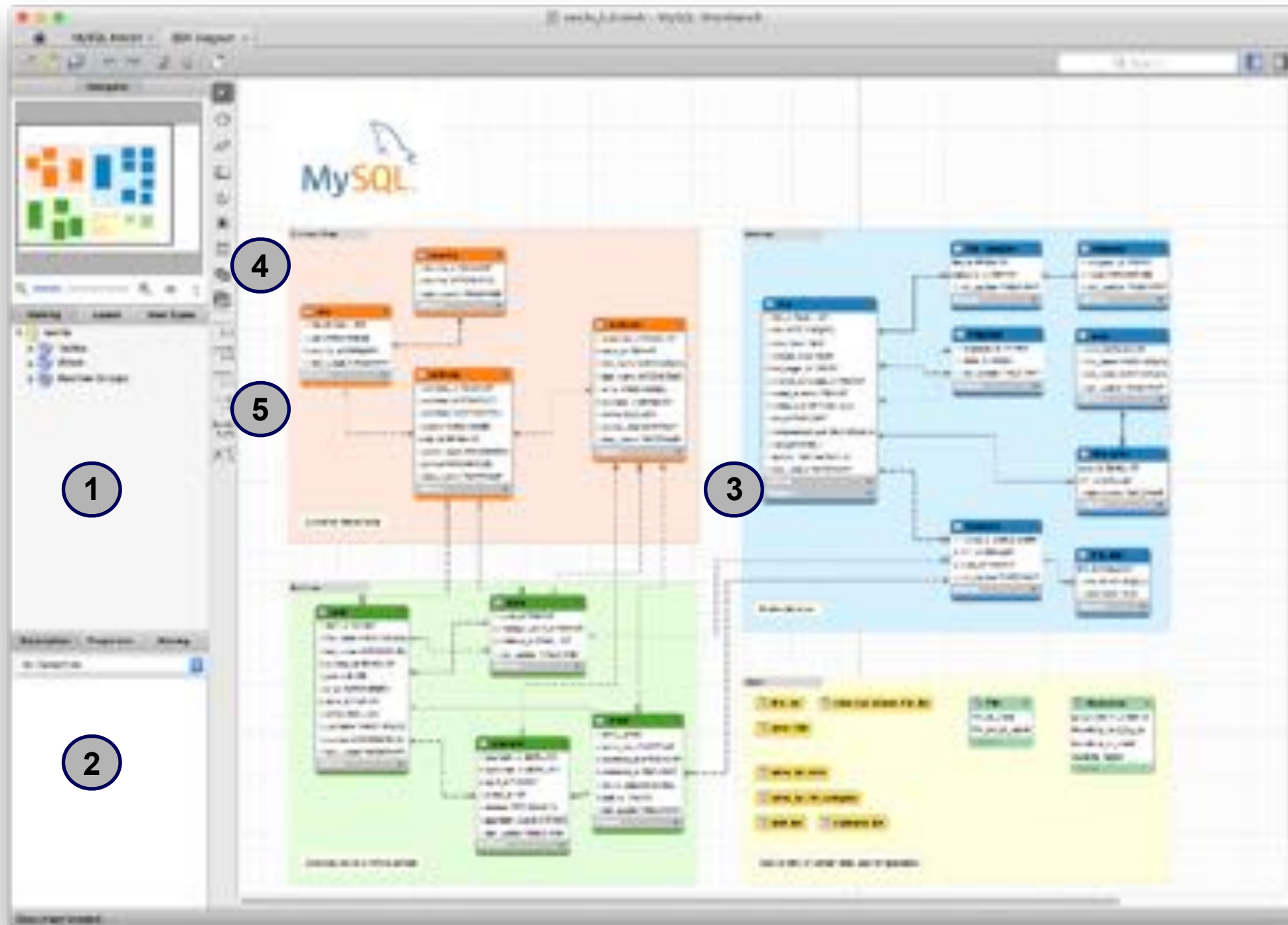
## Steps:

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





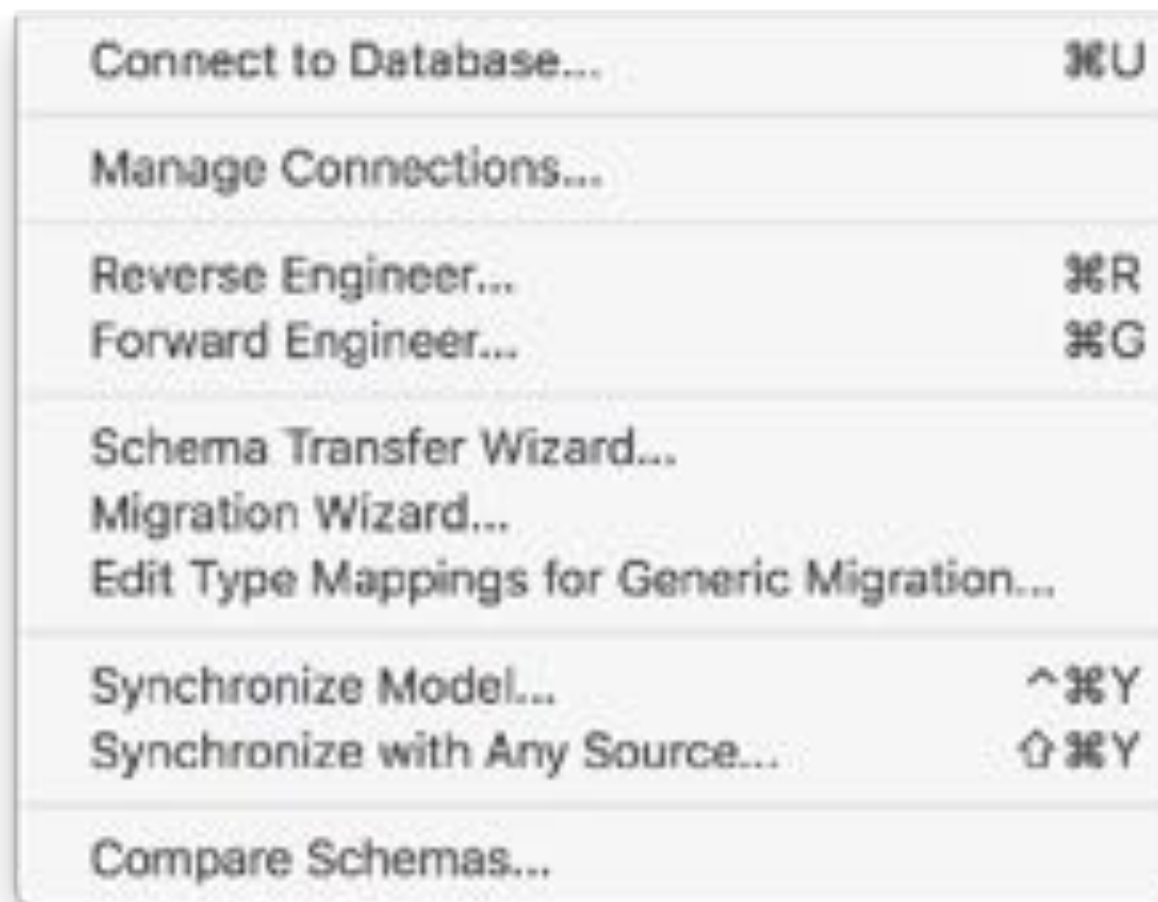
# Design a new schema



- 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





