

ENSF 608 Fall 2021 – Lab 6

October 13, 2021
Dr. Emily Marasco

Recording Notice

Classes may be recorded. Recordings will only be uploaded to University approved platforms such as D2L, will only be for use by students and staff associated with the course, and will not be disseminated to a broader audience by the University.

If a student turns on their microphone or camera, or uses the public chat feature, this constitutes consent for the student's video image or sound audio to be uploaded with a recording. If a student wishes to ensure that their questions/faces/voices are not recorded in the video, they should instead use the private chat feature to ask questions.

Goals for Today

- Assignment 2 clarifications/tips
- Getting started with MySQL Workbench

Assignment 2 FAQs

- Question 1:
 - Weak relations are identified by their link to the corresponding strong relation- consider how this impacts their key in all scenarios and uses of this relation
 - Consider using the cardinality between student/teacher to reduce relations
 - For all relational mapping, avoiding have lines completely overlap
 - Remember to point your arrows to the top or bottom of the relations, not the side
- Question 2:
 - Remember to label each scenario (e.g. 8A, 8B, 8C, 8D, etc.)
- Question 3:
 - Don't need to include cardinality constraints or participation
 - Don't overthink the book ID, just map as given

Reminder: Virtual Office Hours

- New form posted on D2L for each week
- 10 minute appointments with myself and the TAs
- Use D2L Zoom links for chosen session
- Must reserve 30 minutes ahead of **session** start time
- Contact Dr. Marasco for any changes

MySQL and MySQL Workbench

- **MySQL:** open source Relational Database Management System
 - Currently developed/maintained by Oracle
 - Uses Structured Query Language (SQL)
 - Learn more: <https://dev.mysql.com/doc/refman/8.0/en/what-is-mysql.html>
- **MySQL Workbench:** visual database design and modelling tool suite
 - Free to download, extensive user manual
<https://dev.mysql.com/doc/workbench/en/>
 - Many platform options
 - Don't forget your root password!
- **Download Link:** <https://dev.mysql.com/downloads/mysql/>
 - Use the full community installer

Is it pronounced “Sequel” or “Ess-que-ell”?

Evidence for “Sequel”

- Originally called SEQUEL (Structured English Query Language)
- Used by Microsoft, Oracle, MongoDB

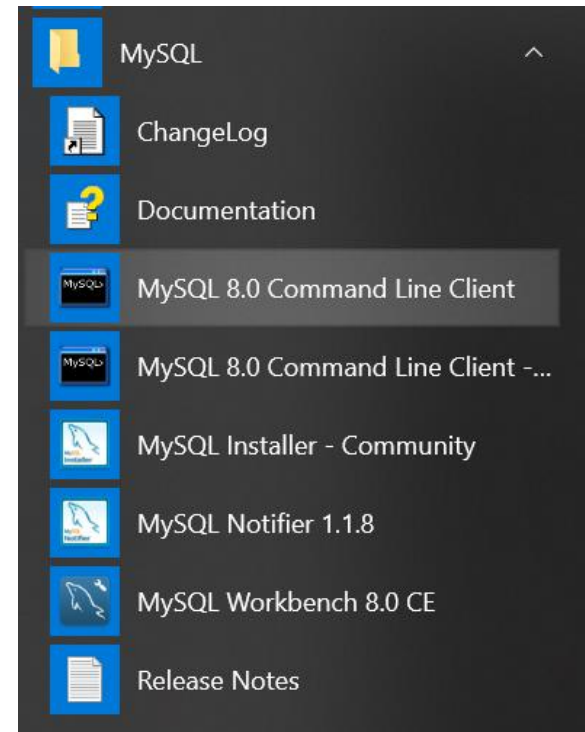
Evidence for “Ess-que-ell”

- SEQUEL was changed to SQL due to trademarks
- Used by IBM, PostgreSQL, MySQL, Firebird

MySQL website: *“The official way to pronounce “MySQL” is “My Ess Que Ell” (not “my sequel”), but we do not mind if you pronounce it as “my sequel” or in some other localized way.”*

Getting Started with the Command Line

- Documentation: Getting Started with MySQL
 - <https://dev.mysql.com/doc/mysql-getting-started/en/>
 - Scroll down to “Some Basic Operations with MySQL”
 - Start the command line client
 - Try each SQL statement in the tutorial



This week:

- Keep the conversation going! Share interesting news articles about data and databases on the discussion boards.
- Book any office hours via provided form
- Complete the MySQL tutorial
- Continue Topic 5 videos