

# Advanced Data Management Study Guide

## Video Recording

[https://kevinli-webbertech.github.io/blog/html/courses\\_list.html](https://kevinli-webbertech.github.io/blog/html/courses_list.html)

Video Recordings in the past semesters, but it was divided into small pieces and it was better than a 3-hr recording but I also recorded this session for today.

The previous transcripts or videos of zoom, I will look for it during our lab time and I will ping you late in the announcement.

Go to the section called "**Advanced Database Courses**"

### Advanced Database Courses

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**#1 Topic: Connect to MySQL server from commandline** This video talks about how to connect and login to MySQL server.

<https://youtu.be/PffS9Sd-biQ>

**#2 Topic: Run SQL Commands in terminal**

This video shows you how to run sql commands in the terminal connections.

<https://youtu.be/MzuLEmGtDAo>

**#3 Topic: Create database and tables**

Create database and tables. In this tutorial we will learn a few handy commands.

[https://youtu.be/\\_5LOxnPgM6k](https://youtu.be/_5LOxnPgM6k)

**#4 Topic: Connect to MySQL from DBeaver**

DBeaver is an opensource GUI tool to connect to MySQL and it has advanced features to visualize ER diagram of a lot of tables,

<https://youtu.be/3v4b8mytGfY>

**#5 Topic: Cassandra Part I- Introduction**

<https://youtu.be/JhsDWNYEOEw>

**#6 Topic: Cassandra Installation - Part II Mac Installation using homebrew**

[https://youtu.be/x5b\\_fxANE2M](https://youtu.be/x5b_fxANE2M)

**#7 Topic: Cassandra Installation Part III**

# Midterm Quiz (45 mins)

It is all multiple(single-choice) choices questions. Only one answer. It is all about SQL Syntax.

For studying for the quiz, you can refer to the following websites,

\* <https://www.tutorialspoint.com/sql/index.htm>

\* <https://www.w3schools.com/sql/>

For mocking quiz for midterm, please go to,

[https://www.w3schools.com/sql/sql\\_quiz.asp](https://www.w3schools.com/sql/sql_quiz.asp)

## Ways to contact and Q&A Time

**Contact me by email in NJCU Blackboard.**

Click on “New Message”,

The screenshot shows the top navigation bar of a Blackboard course page. From left to right, the menu items are: Content, Calendar, Announcements, Discussions (with a count of 2), Gradebook (with a count of 5), **Messages (4)**, Analytics, Groups, and Achievements. Below the navigation bar, there is a search bar and a 'Student Preview' button. On the far right, there are two buttons: 'New Message' and 'New Message' (repeated).

Type xli7 and see “Xiaofeng Li” and this will send a copy to my school email as well,

The screenshot shows the 'New Message' dialog box. At the top, it says 'FINC5351129 Data Management Fall 2025'. Below that is a 'Recipients' field with a placeholder 'Enter a course member or group'. A dropdown menu lists several options: 'All course members', 'All instructors', 'All students', 'Xiaofeng Li' (with the identifier 'xli7'), and 'Omar Abidar' (with the identifier '0314178'). The 'Xiaofeng Li' option is highlighted with a black rectangle.

# Dockerized DB

[https://kevinli-webbertech.github.io/blog/html/courses/dev\\_ops/docker/labs/docker\\_database.html](https://kevinli-webbertech.github.io/blog/html/courses/dev_ops/docker/labs/docker_database.html)

## Books

Learning SQL

By **Alan Beaulieu**

you can find free copy online.

