

PHPM 631 Lab 8: Writing SQL Queries (Khan Academy)
Due date: Submit on E-Campus by 11:59pm Sunday 4/19

<p>Submission. Submit on E-Campus. See Requirements Section Below for details</p>
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- Khan academy: Upload the SQL queries you wrote

Plagiarism: If you consult any outside sources when doing your work, you are expected to further document these sources. Give credit where credit is due. Plagiarism will not be tolerated.

Guideline for lab grading

The lab is graded as part of class participation.

Objective

By the end of this lab & assignment, you should be able to:

- Read and write SQL queries to answer specific questions about the information in the database.

Lab: Writing SQL Queries

By now you should have more practiced and familiarizes with SQL. This lab will have you practice more complex queries.

In this lab, you will practice SQL using the Khan Academy SQL tutorial. This should help you with assignment 8, where you will be applying what you learned to your own SQL queries. Note you will have to write SQL questions for the final take home exam.

www.khanacademy.org

Work through the following “SQL” tutorial on Khan Academy. Try clicking on “documentation” below the interactive SQL windows for hints and reminders of syntax.

(<https://www.khanacademy.org/computing/computer-programming/sql>)

- [SQL basics](#): start from querying the table (DO NOT need to do the part on creating a table and inserting data)
- [More advanced SQL queries](#)
- [Relational queries in SQL](#)
- You DO NOT need to do the tutorials on modifying databases in SQL or Further learnings in SQL

Required Submissions

Complete the following challenges in the three modules and submit the SQL queries you wrote for the challenges. Also include questions you designed (in English) for the projects. I strongly recommend you watch the videos if you are not sure how to do the challenges.

1. [SQL basics](#):
 - a. Skip the first Challenge: Book list database.
 - b. 2 Challenges.
 - c. Skip the project: You did this for assignment 2.
2. [More advanced SQL queries](#):
 - a. 4 challenges.
 - b. Project: Do this project on the kum.db database you are using for assignment 8. Write a few questions you want to answer using **one table** and answer them using SQL statements.
3. [Relational queries in SQL](#):
 - a. 4 challenges.
 - b. Project: Do this project on the kum.db database you are using for assignment 8. Write a few questions you want to answer **using more than one table** and answer them using SQL statements.