Lesson 05: Basic Queries

CS 393: Database Systems

# Lesson Overview

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| **Topic** | **Timing** | **Key Ideas** |
| Review | ~10 minutes | Review constraints: PK, FK, CHECK, NOT NULL, UNIQUE |
| SELECT statements | ~30 minutes | Lots of SELECT examples, both independently and as a class |
| Functions | ~20 minutes | Use functions in both SELECT and WHERE clauses |
| In Class Exercise II | Remaining | Time to work on review problems |

## Required Readings

* DS 6.3.1, 6.3.2

## Supplementary Reading

* [5 Basic SELECT Statement Queries in SQL (youtube.com)](https://www.youtube.com/watch?v=5tEApCGgpEQ)
* [How to Filter with the WHERE clause in SQL - YouTube](https://www.youtube.com/watch?v=4Uv0o8IBqw0)
* [The ORDER BY and LIMIT Clauses in SQL to Help With Sorting - YouTube](https://www.youtube.com/watch?v=wyWnJ7QYME4)
* Another resource for practice: [MySQL Tryit Editor v1.0 (w3schools.com)](https://www.w3schools.com/mysql/trymysql.asp?filename=trysql_select_all)

# Lesson Objectives & Assessment

* Use SQL statements to retrieve specific data from a database

# Lesson Plan

## Timeline

## Comments