Lesson 06: Joins

CS 393: Database Systems

# Lesson Overview

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| **Topic** | **Timing** | **Key Ideas** |
| Review | ~10 minutes | Review constraints: SELECT, WHERE |
| INNER/OUTER JOIN | ~30 minutes | Lots of JOIN examples, both independently and as a class |
| UNION, EXCEPT, INTERSECT | ~20 minutes | Highlight differences between three and how you can do with WHERE and JOINs |
| In Class Exercise | Remaining | Time to work on review problems |

## Required Readings

* DS 6.3.7, 6.3.9

## Supplementary Reading

* [MySQL: JOINS are easy (INNER, LEFT, RIGHT) (youtube.com)](https://www.youtube.com/watch?v=G3lJAxg1cy8)
* [Combine SQL Queries With UNION, INTERSECT, EXCEPT (youtube.com)](https://www.youtube.com/watch?v=krnAfIHqGzI)
* [MySQL Joins (w3schools.com)](https://www.w3schools.com/mysql/mysql_join.asp)

# Lesson Objectives & Assessment

* Utilize joins to select the appropriate data for a problem
* Apply Union, Intersect, and Except to join or limit queries.

# Lesson Plan

## Timeline

## Comments