Lesson 07: Aggregation

CS 393: Database Systems

# Lesson Overview

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| **Topic** | **Timing** | **Key Ideas** |
| Review | ~10 minutes | Review constraints: SELECT, WHERE |
| GROUP BY | ~15 minutes | Lots of JOIN examples, both independently and as a class |
| In Class Exercise | ~5 minutes | Solve group by problems |
| HAVING | ~15 minutes | Highlight differences between three and how you can do with WHERE and JOINs |
| In Class Exercise | Remaining | A series of review problems covering all previous queries |

## Required Readings

* DS 6.3.3 – 6.3.5
* [Group By + Order By in MySQL | Beginner MySQL Series (youtube.com)](https://www.youtube.com/watch?v=zgYqUP_PhQo)
* [Having vs Where in MySQL | Beginner MySQL Series - YouTube](https://www.youtube.com/watch?v=dCNjUOc1cBY)

## Supplementary Reading

* [MySQL GROUP BY Statement (w3schools.com)](https://www.w3schools.com/mysql/mysql_groupby.asp)

# Lesson Objectives & Assessment

* Apply the GROUP BY clause to aggregate data
* Differentiate between HAVING and WHERE

# Lesson Plan

## Timeline

## Comments