

CS 338  
Lecture 12  
SQL Data Manipulation Part 4  
Additional Slides

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# Contents

Revisions

Tasks

# Global

1. Include a semicolon (;) at the end of each query example.

## Slide 14

1. **Q:** Can we take the AVG of only the DISTINCT values, say of SALARY, GPA, or whatever, in a single query?  
**A:** My instinct is to handle removing duplicates in a subquery (of the FROM clause) first, then use that subquery in the main query.

## Slide 16

1. Here, we use “ for a ’ inside of a literal string.

## Slide 22

1. Make the order of the subqueries match the order of the English specification.

## Slide 36

1. Also write up the solution to this problem using intersection ( $\cap$ ).

# Tasks

1. Schedule some office hours before the Mid-Term exam on 2026-06-25.
2. Make the Mid-Term grading scheme tolerant of missing semicolons (;) at the end of query code.