Reichman University

Relational Databases and SQL 2026

Assignment #4 -

SELECT, JOINs, and Nested Queries

THIS ASSIGNMENT MUST BE SUBMITTED IN PAIRS.

Instructions

Use the **Sakila database** for all questions below.
For each question:

- Attach the **SQL code** you used.
- Attach a **screenshot of the query result** (showing at least 5 rows where possible).
- Each question should be answered with **a single SQL query**.
- Focus on correctness, clarity, and formatting.

Questions

1. Film Rentals

The marketing team wants to email customers who have rented **more films than the average customer**.

Return: customer id, full name, email and number of rentals, sorted by rentals desc.

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2. Store Revenue

For each **store**, show the **total number of rentals** and **total revenue** (sum of payments). Order by revenue descending.

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3. Most-Featured Actors Rented

A store manager wants to identify **customers who have rented at least one film starring the most-featured actor** (the actor who appears in the most films).

Return: distinct customer id + name.

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4. Similar Replacement Cost

Write an SQL query that lists pairs of films that have the same replacement cost.
For each pair, show:

- Film 1 title
- Film 2 title
- The shared replacement cost
- Every pair of films should appear **only once**

Submission Guidelines

You must submit **two files** as part of this assignment:

1. A **PDF file** containing the following for each question:
    - The SQL query you wrote.
    - The count of rows in the output.

    - A screenshot of the results of running the query.
2. **A SQL file** containing exactly **4 SELECT queries**, one for each question.

- All assignments are to be submitted in **pairs** as **two files**.
- The file names must be **identical** in both submissions and must include both student ID numbers (e.g., 123456789_987654321.sql, 123456789_987654321.pdf).

Good luck, and feel free to reach out if you have any questions! 🙂