

Refreshing SQL and Relational Algebra

INFO-H417: Lab Session 1

2023-2024

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Find an SQL SELECT query and an equivalent RA query to answer each of the following questions.¹

1. What are the names (first and last) and emails of our customers?
2. How many movies are rated PG-13?
3. What is the first name of the staff member that did not store a picture in the database? [picture IS NULL](#)
4. Who are the customers (first and last name) who returned a DVD on May 27th 2005? [see sol](#)
5. Who is both an actor and a customer? [INTERSECT](#)
6. Give all pairs of actors with the same last name, ordered by last name. [use <](#)
[not <= because I want Sony xyz not Sony Sony](#)
7. What are the titles of the movies in which an actor with a last name ending in 'son' has played?
8. Who were the 10 first customers to rent a DVD? [see sol](#)
[group by first and last name](#)
[sort by min\(rental_date\)](#) [see sol](#)
[distinct film Y](#)
9. Who is the customer with the most DVD rentals?
10. Which customers rented at least one DVD lasting 3h or more?

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distinct garnu parda Y gamma garne

¹<https://www.postgresqltutorial.com/postgresql-getting-started/postgresql-sample-database/>