

This tutorial uses the schema from Pizza. You are encouraged to use the relational algebra evaluator¹ for testing. Alternatively, you may simply write a more relaxed version of relational algebra that is closer to SQL query.

- 1. Translate the following queries into relational algebra.
 - (a) Find all pizzas that Alice likes but not pizzas that Bob likes.
 - (b) Find all customer-restaurant pairs (C, R) where C and R both located in the same area and C likes some pizza that is sold by R where the price of the pizza is less than \$15.
 - (c) For all customer, find the pizza that they do not like (i.e., not in their likes table). The result should be the pair (cname, pizza).

¹https://relational-algebra-evaluator.onrender.com/