Tutorial 1: Relational Algebra

Important: You cannot solve this without attending the lab. I will teach you Relational Algebra notation (*not* covered in the lectures).

Schema

1. person address (<u>person name</u>, street, city)
2. occupation (<u>person name</u>, company name, salary)
3. company address (<u>company name</u>, city)
4. manager (<u>person name</u>, manager name)

Queries

For the above schema, provide relational algebra expressions for the following queries:

1. Find the name of all employees (i.e., persons) who work for the City Bank company (which is a specic company in the database).

2. Find the name and city of all employees who work for City Bank.

3. Find the name, street and city of all employees who work for City Bank and earn more than $10,000.

4. Find all persons who do not work for City Bank.