Schema for Relational Algebra and Calculus In-Class Exercises

Schema: the **Corporation database**

\[
\text{lives}(\text{person-name, street, city}) \quad \text{located-in}(\text{company-name, city}) \\
\text{works}(\text{person-name, company-name, salary}) \\
\text{manages}(\text{person-name, manager-name})
\]

The primary key for each relation is denoted by the underlined attribute. The foreign keys are indicated by the arrow – for example, \text{person-name} in \text{works} references \text{person-name} in \text{lives}.

When you write the queries, for brevity you can choose to use \text{p-name}, \text{c-name}, \text{m-name} for \text{person-name}, \text{company-name}, \text{manager-name} respectively.