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**Homework 1**

*Consider the following relations:*

*employee (person\_name, street, city )*

*works (person\_name, company\_name, salary)*

*company (company\_name, city)*

*manages (person\_name, manager\_name)*

*Write the following queries in SQL:*

**a. Find the names of all employees who work for “First Bank Corporation”.**

Select person\_name

From works

Where company\_name = “First Bank Corporation”

**b. Find the names and cities of residence of all employees who work for “First Bank**

**Corporation”.**

Select E.person\_name, E.city

From employee E, works W

Where E.person\_name = W.person\_name

And W.company\_name=”First Bank Corporation”

**c. Find the names, street addresses, and cities of residence of all employees who**

**work for “First Bank Corporation” and earn more than $10,000.**

Select person\_name,street, city

From employee E, works W

Where E.person\_name = W.person\_name

and W.company\_name=”First Bank Corporation”

and W.salary > 10,000

**d. Find the names of all employees in this database who live in the same city**

**as the company for which they work.**

SELECT E.person\_name

FROM employee E, company C, works W

WHERE E.city = C.city

and E.person\_name = W.person\_name

and C.company\_name = W.company\_name