Practical 9 **Assignment 3**

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SQL Practice Questions

For the following relation schema:

*employee(employee-name, street, city)*

*works(employee-name, company-name, salary)*

*company(company-name, city)*

*manages(employee-name, manager-name)*

Give an expression in SQL for each of the following queries:

1-) Find the names, street address, and cities of residence for all employees who work for

'First Bank Corporation' and earn more than $10,000.

**Solution:**

select e.employee-name, e.street, e.city

from **employee e**, **works** **w**

where e.employee-name=w.employee-name

and company-name = 'North-Bank' and salary > 10000

2-) Find the names of all employees in the database who live in the same cities as the companies for which they work.

**Solution:**

select e.employee-name

from **employee e, works w, company c**

where e.employee-name = w.employee-name

and e.city = c.city

and w.company-name = c.company-name

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3-) Find the names of all employees in the database who live in the same cities and on the same streets as do their managers.

4-) Find the names of all employees in the database who do not work for 'North- Bank' Assume that all people work for exactly one company.

5-) Find the names of all employees in the database who earn more than every employee of 'Kurdistan-Bank '. Assume that all people work for at most one company.