## **ASSIGNMENT**

| I | - Find the ID and name of each employee who does not work for "BigBank" |    |
|---|---|----|
|   | ΠpersonName,ID(σcompanyName<>'BigBank'(employee⋈works)                  | )) |

2- Find the ID, name and city of residence of each employee who works for "BigBank"

ΠpersonName,ID,city(σcompanyname='BigBank'(employee⋈works))

3- Find the ID, name, street address and city of residence of each employee who works for "BlgBank" and earns more than \$10000.

ΠpersonName,ID,city,street(σcompanyname<>'BigBank'^salary>10000(employee⋈works))

4- Find the ID and name of each employee in this database who lives in the same city as the company for which she or he works.

## □ person-name (employee wworks company)

5- Find the ID and name of each employee who earns at least as much as every employee in the database

 $\pi_{\text{ID, person\_name}}$  (Employee  $\bowtie (\pi_{\text{ID}}(\text{Works}) - (\pi_{\text{Works.ID}}(\text{Works} \bowtie_{(\text{Works.salary} < \text{Works2.salary})} \rho_{\text{Works2}}(\text{Works})))))$