```
1)

Πperson_name,id(σcompany_name='BigBank'(works ⋈ employee))

Πperson_name,id,city(σ company_name='BigBank'(works ⋈ employee))

Πid,person_name,street,address,city(σcompany_name='BigBank v salary>=$1000 (works ⋈ employee))

Πid,person_name,id(σemployee.city=company.city(works ⋈ employee ⋈ company))

2)

Πperson_name,id(σcompany_name ¬'BigBank'(works ⋈ employee))

Πperson_name,id(works ⋈ employee) - σ a.salary>b.salary(company_name))

3)

Insert tuple: (3, Beks, Kazakh,42500) you cannot delete where the department does not have "Kazakh" department

Delete a tuple: (Russian, Beks,42500) you cannot delete where at least one has a dept name as Russian they would violate foreign key constraint
```

4)

{id,person_name}