```
1.Π employee.Id, employee.person name(\sigma employee.person name =
works.person name ^ works.company name = "BigBank" (employee x works))
Π employee.id, employee.person name, employee.city(σ employee.person name
= works.person name ^ works.company name = "BigBank" (employee x works)
Π employee.id, employee.person name, employee.city(σ employee.person name
= works.person name \(^\) works.salary \(>\) 10000 \(^\) works.company name \(=\)
'BigBank' (employee x works))
\Pi employee.id, employee.person_name(\sigma employee.city =
company.city(employee x company))
2.Π employee.id , employee.person_name(\sigma employee.person_name =
works.person_name ^ ¬ works.company = " BigBank "(employee x works))
\Pi id,person name(\sigma salary>=average'salary'(works))
3. Inserting a tuple:
(11111, Lory, Math, 50,000)
into the instructor table, where the department table does not have the
department Math, would violate the foreign key constraint.
 Deleting the tuple:
(Physics, Billy, 70000)
from the department table, where at least one student or instructor
tuple has dept name as Physics, would violate the foreign key constraint.
4. Employee – id, person name
Works – person name,id
Company – company name, id
```