

Laboratory work 1

employee (person_name, street, city)
works (person_name, company_name, salary)
company (company_name, city)

1. π employee.name, employee.city
(σ employee.person_name = works.person_name
AND
works.company_name = "BigBank"
(employee x works))
1)
2. π employee.name, employee.city
(σ employee.person_name = works.person_name
AND
works.company_name = "BigBank"
(employee x works)))
3. π employee.ID, employee.name, employee.city, employee.street,
(σ employee.person_name = works.person_name
AND
works.company_name = "BigBank"
AND
works.company_name = company.company_name
AND
Works.salary > 10000
(employee x works x company)))
4. π employee.name
(σ employee.person_name = works.person_name
AND
works.company_name = "BigBank"
AND
works.company_name = company.company_name
AND
employee.city = company.city
(employee x works x company)))

1) 1. π employee.name, employee.city
(σ employee.person_name = works.person_name
AND
works.company_name \neq "BigBank"
(employee x works))

2)

2. π employee.ID, employee.name, employee.city, employee.street,
(σ Works.salary > AVG(works.salary)
(employee x works x company)))

3)

4) person_name