

## Laboratory work 1

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- 1.1. Find the ID and name of each employees who works for “BigBank”.  
**SQL** `ID, person_name ( WHERE company_name = “BigBank”(employee  
JOIN employee.person_name = works.person_name works))`
- 1.2. Find the ID, name, and city of residence of each employee who works for “BigBank”.  
**SQL** `ID, person_name, city ( WHERE company_name = “BigBank”( employee  
JOIN employee.person_name = works.person_name works))`
- 1.3. Find the ID, name, street address, and city of residence of each employee who works for “BigBank” and earns more than \$10000.  
**SQL** `ID, person_name, street, city ( WHERE company_name = “BigBank” ^ salary  
> 10000( employee JOIN employee.person_name = works.person_name  
works))`
- 1.4. 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.  
**SQL** `ID, person_name( WHERE employee.city = company.city(( employee  
JOIN employee.person_name = works.person_name works JOIN  
Works.company_name = company.company_name company))`
- 2.1. Find the ID and name of each employee who does not work for “BigBank”.  
**SQL** `ID, person_name ( WHERE company_name ≠ “BigBank”(employee  
JOIN employee.person_name = works.person_name works))`
- 2.2. Find the ID and name of each employee who earns at least as much as every employee in the database.  
**SQL** `ID, person_name ( WHERE salary >= avg(salary) (employee  
JOIN employee.person_name = works.person_name works))`
3. If the user gives new values for nonexistent attributes in this table, insert command like adding new values into a table will cause an error.  
Deleting a data from the primary key values, will make a violation due to the other data directly connected with primary key.

4. Attribute “ID” in table employee is the only appropriate primary key in this case.