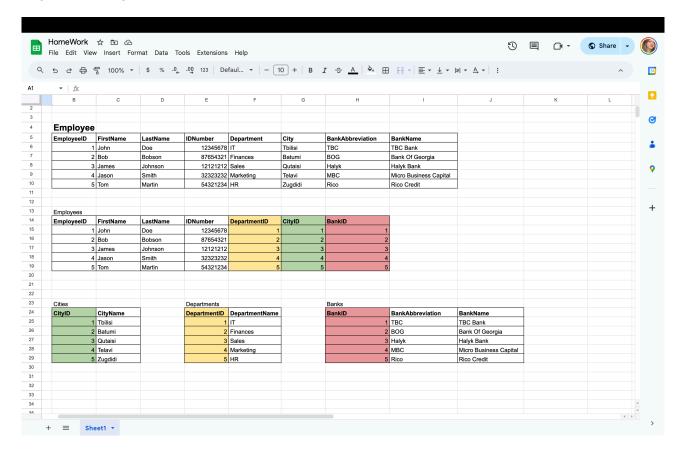# 1. გადანაწილება:

2. მთლიანი კოდი:

```
Query    Query History

 1  create table employees(
 2      employeeID serial primary key not null,
 3      FirstName varchar(20),
 4      LastName varchar(30),
 5      IDNumber varchar(15),
 6      DepartmentID integer,
 7      CityID integer,
 8      BankID integer
 9  )
10
11  create table cities(
12      CityID serial primary key not null,
13      CityName varchar(30)
14  )
15
16  create table departments(
17      DepartmentID serial primary key not null,
18      DepartmentName varchar(30)
19  )
20
21  create table banks(
22      BankID serial primary key not null,
23      BankAbbreviation varchar(15),
24      BankName varchar(40)
25  )
26
27
28  alter table employees add constraint UniqueIDNumber unique (IDNumber)
29  alter table employees add constraint DepartmentIDFKey foreign key (DepartmentID) references departments (DepartmentID)
30  alter table employees add constraint CityIDFKey foreign key (CityID) references cities (CityID)
31  alter table employees add constraint BankIDFKey foreign key (BankID) references banks (BankID)
32
33
34  insert into departments (DepartmentName) values ('IT'), ('Finances'), ('Sales'), ('Marketing'), ('HR')
35  insert into cities (CityName) values ('Tbilisi'), ('Batumi'), ('Qutaisi'), ('Telavi'), ('Zugdidi')
36  insert into banks (BankAbbreviation, BankName) values
37  ('TBC', 'TBC Bank'),
38  ('BOG', 'Bank Of Georgia'),
```

Total rows: 5 of 5   Query complete 00:00:00.045   Ln 14

```
36  insert into banks (BankAbbreviation, BankName) values
37  ('TBC', 'TBC Bank'),
38  ('BOG', 'Bank Of Georgia'),
39  ('Halyk', 'Halyk Bank'),
40  ('MBC', 'Micro Business Capital'),
41  ('Rico', 'Rico Credit')
42  insert into employees (FirstName, LastName, IDNumber, DepartmentID, CityID, BankID) values
43  ('John', 'Doe', '12345678', 1, 1, 1),
44  ('Bob', 'Bobson', '87654321', 2, 2, 2),
45  ('James', 'Johnson', '12121212', 3, 3, 3),
46  ('Jason', 'Smith', '32323232', 4, 4, 4),
47  ('Tom', 'Martin', '54321234', 5, 5, 5)
48
49
50  select EmployeeID, FirstName, LastName, IDNumber, DepartmentName, CityName, BankAbbreviation, BankName
51  from employees
52  inner join departments on employees.DepartmentID = departments.DepartmentID
53  inner join cities on employees.CityID = cities.CityID
54  inner join banks on employees.BankID = banks.BankID
55
56
57
```

| Total rows: 5 of 5 | Query complete 00:00:00.045 | Ln 14 |

3. მთლიანი ინფორმაცია ცხრილის სახით:

	employeeid integer	firstname character varying (20)	lastname character varying (30)	idnumber character varying (15)	departmentname character varying (30)	cityname character varying (30)	bankabbreviation character varying (15)	bankname character varying (40)
1	1	John	Doe	12345678	IT	Tbilisi	TBC	TBC Bank
2	2	Bob	Bobson	87654321	Finances	Batumi	BOG	Bank Of Georgia
3	3	James	Johnson	12121212	Sales	Qutaisi	Halyk	Halyk Bank
4	4	Jason	Smith	32323232	Marketing	Telavi	MBC	Micro Business Capital
5	5	Tom	Martin	54321234	HR	Zugdidi	Rico	Rico Credit

Total rows: 5 of 5   Query complete 00:00:00.045   Ln 56, Col 1