

1. გადანაწილება:

HomeWork												
File Edit View Insert Format Data Tools Extensions Help												
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Employee												
EmployeeID	FirstName	LastName	IDNumber	Department	City	BankAbbreviation	BankName					
1	John	Doe	12345678	IT	Tbilisi	TBC	TBC Bank					
2	Bob	Bobson	87654321	Finances	Batumi	BOG	Bank Of Georgia					
3	James	Johnson	12121212	Sales	Qutaisi	Halyk	Halyk Bank					
4	Jason	Smith	32323232	Marketing	Telavi	MBC	Micro Business Capital					
5	Tom	Martin	54321234	HR	Zugdidi	Rico	Rico Credit					
Employees												
EmployeeID	FirstName	LastName	IDNumber	DepartmentID	CityID	BankID						
1	John	Doe	12345678	1	1	1						
2	Bob	Bobson	87654321	2	2	2						
3	James	Johnson	12121212	3	3	3						
4	Jason	Smith	32323232	4	4	4						
5	Tom	Martin	54321234	5	5	5						
Cities												
CityID	CityName											
1	Tbilisi											
2	Batumi											
3	Qutaisi											
4	Telavi											
5	Zugdidi											
Departments												
DepartmentID	DepartmentName											
1	IT											
2	Finances											
3	Sales											
4	Marketing											
5	HR											
Banks												
BankID	BankAbbreviation	BankName										
1	TBC	TBC Bank										
2	BOG	Bank Of Georgia										
3	Halyk	Halyk Bank										
4	MBC	Micro Business Capital										
5	Rico	Rico Credit										

2. მთლიანი კოდი:

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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 DepartmentIDFKKey foreign key (DepartmentID) references departments (DepartmentID)
30 alter table employees add constraint CityIDFKKey foreign key (CityID) references cities (CityID)
31 alter table employees add constraint BankIDFKKey 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'),
39
Total rows: 5 of 5 Query complete 00:00:00.045 Ln 14
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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

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3. მთლიანი ინფორმაცია ცხრილის სახით:

Data Output Messages Notifications									
	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

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