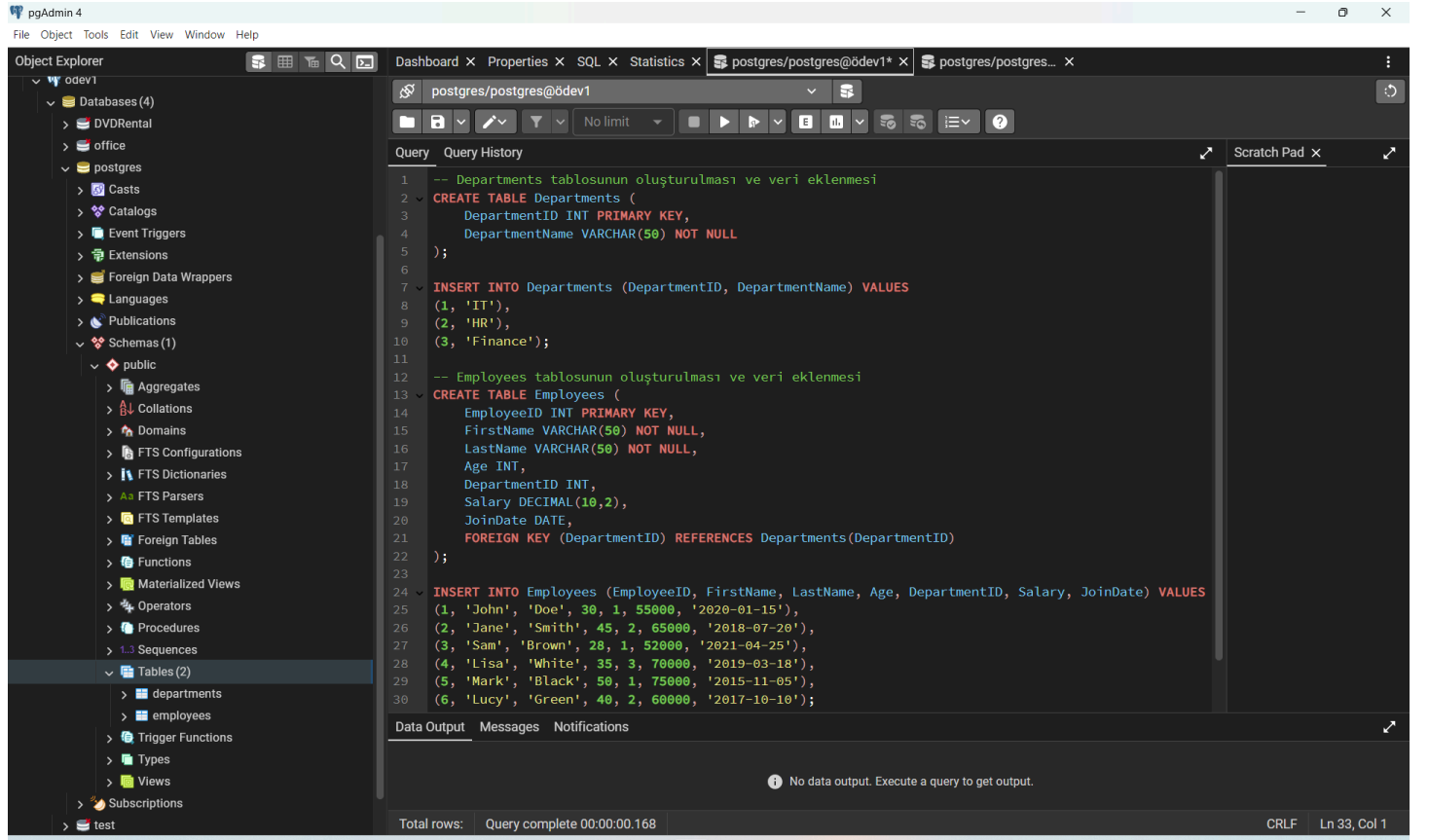


ilk önce tablo oluşturmak için gerekli işlemleri yapıp tabloları oluşturdum.



The screenshot shows the pgAdmin 4 interface with the following components:

- Object Explorer:** Displays the database structure. The 'public' schema is selected, and the 'Tables (2)' folder is expanded, showing 'departments' and 'employees' tables.
- Query Editor:** Contains the following SQL queries:

```
1 -- Departments tablosunun oluşturulması ve veri eklenmesi
2 CREATE TABLE Departments (
3     DepartmentID INT PRIMARY KEY,
4     DepartmentName VARCHAR(50) NOT NULL
5 );
6
7 INSERT INTO Departments (DepartmentID, DepartmentName) VALUES
8 (1, 'IT'),
9 (2, 'HR'),
10 (3, 'Finance');
11
12 -- Employees tablosunun oluşturulması ve veri eklenmesi
13 CREATE TABLE Employees (
14     EmployeeID INT PRIMARY KEY,
15     FirstName VARCHAR(50) NOT NULL,
16     LastName VARCHAR(50) NOT NULL,
17     Age INT,
18     DepartmentID INT,
19     Salary DECIMAL(10,2),
20     JoinDate DATE,
21     FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
22 );
23
24 INSERT INTO Employees (EmployeeID, FirstName, LastName, Age, DepartmentID, Salary, JoinDate) VALUES
25 (1, 'John', 'Doe', 30, 1, 55000, '2020-01-15'),
26 (2, 'Jane', 'Smith', 45, 2, 65000, '2018-07-20'),
27 (3, 'Sam', 'Brown', 28, 1, 52000, '2021-04-25'),
28 (4, 'Lisa', 'White', 35, 3, 70000, '2019-03-18'),
29 (5, 'Mark', 'Black', 50, 1, 75000, '2015-11-05'),
30 (6, 'Lucy', 'Green', 40, 2, 60000, '2017-10-10');
```
- Data Output:** Shows the result of the query execution. The status is "Query complete 00:00:00.168". The output is empty, with a message: "No data output. Execute a query to get output."

select FirtsName, LastName , salary from employees komutunu yazarak çalışanların isimlerini ve maaşlarını içeren tabloya ulaştım.

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

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Dashboard x Properties x SQL x Statistics x postgres/postgres... x postgres/postgres@ödev1* x

postgres/postgres@ödev1

Query Query History

```
1 SELECT FirstName, LastName, Salary
2 FROM employees;
```

Scratch Pad x

Data Output Messages Notifications

Showing rows: 1 to 6 Page No: 1 of 1

	firstname character varying (50)	lastname character varying (50)	salary numeric (10,2)
1	John	Doe	55000.00
2	Jane	Smith	65000.00
3	Sam	Brown	52000.00
4	Lisa	White	70000.00
5	Mark	Black	75000.00
6	Lucy	Green	60000.00

Total rows: 6 Query complete 00:00:00.122 CRLF Ln 2, Col 15

isim ve soy isim birleştirmek için || ‘ ’ || kullandım.

pgAdmin 4

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Dashboard x Properties x SQL x Statistics x postgres/postgres... x postgres/postgres@ödev1* x

postgres/postgres@ödev1

Query Query History

```
1 SELECT FirstName, LastName, Salary
2 FROM employees;
3 select FirstName || ' ' || LastName from employees;
```

Scratch Pad x

Data Output Messages Notifications

Showing rows: 1 to 6 Page No: 1 of 1

	?column? text
1	John Doe
2	Jane Smith
3	Sam Brown
4	Lisa White
5	Mark Black
6	Lucy Green

Total rows: 6 Query complete 00:00:00.039 CRLF Ln 3, Col 1

en yüksek maaştan düşük maaşa sıralama için order by desc i kullandım.

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

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postgres/postgres@o0dev1

Query Query History

```
1 SELECT FirstName, LastName, Salary
2 FROM employees;
3 select FirstName || ' ' || LastName as employeeName from employees;
4 select FirstName, LastName, salary from employees order by salary desc
5 select distinct departmentid from employees
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 3 Page No: 1 of 1

	departmentid	
1	3	
2	2	
3	1	

Total rows: 3 Query complete 00:00:00.085 CRLF Ln 5, Col 1