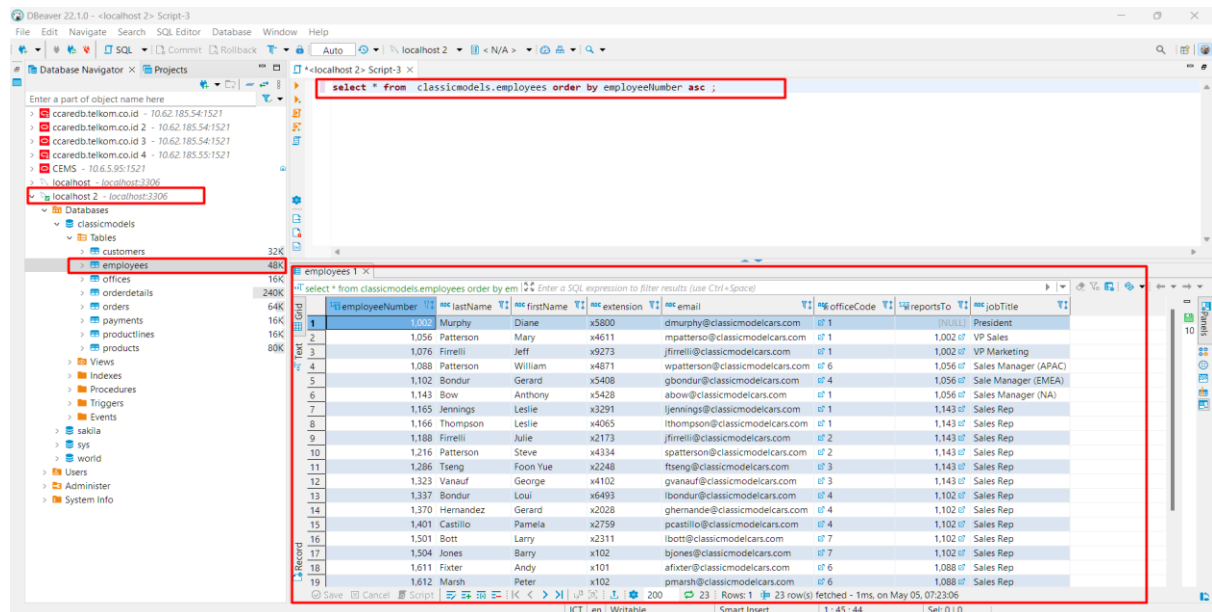


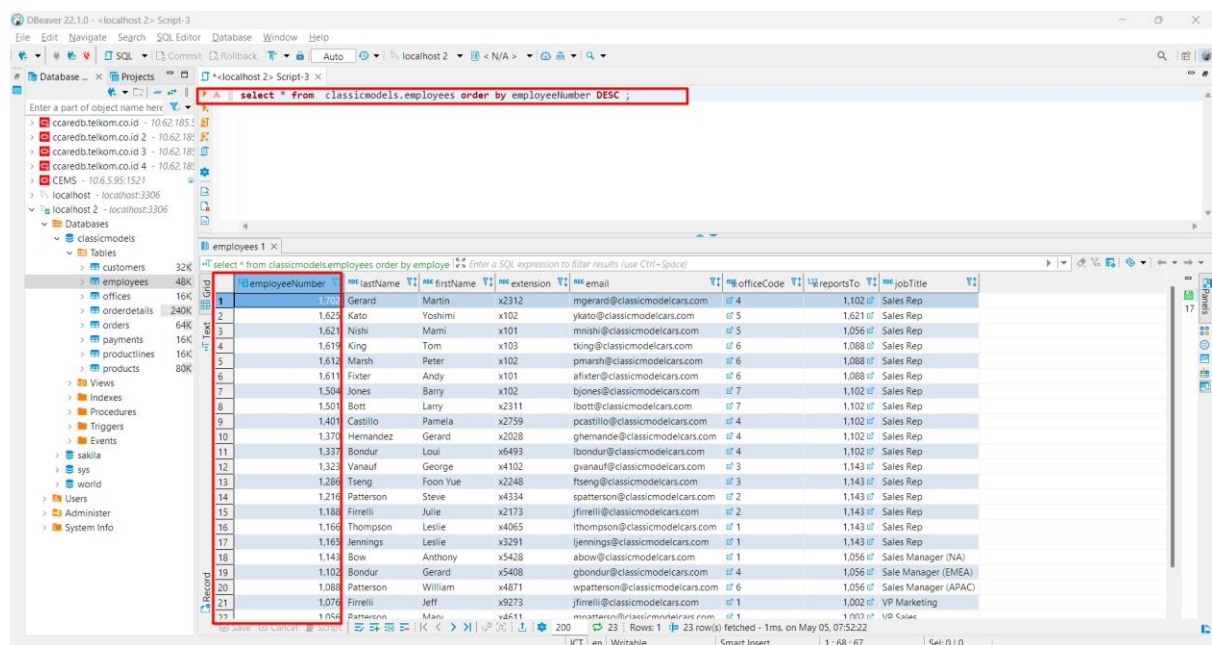
\*Contoh Query Select dan Update pada modul 1 :

### #Query Select 1 (Sorting Data):



Gambar 1 percobaan 1

`select * from classicmodels.employees order by employeeNumber asc ;`

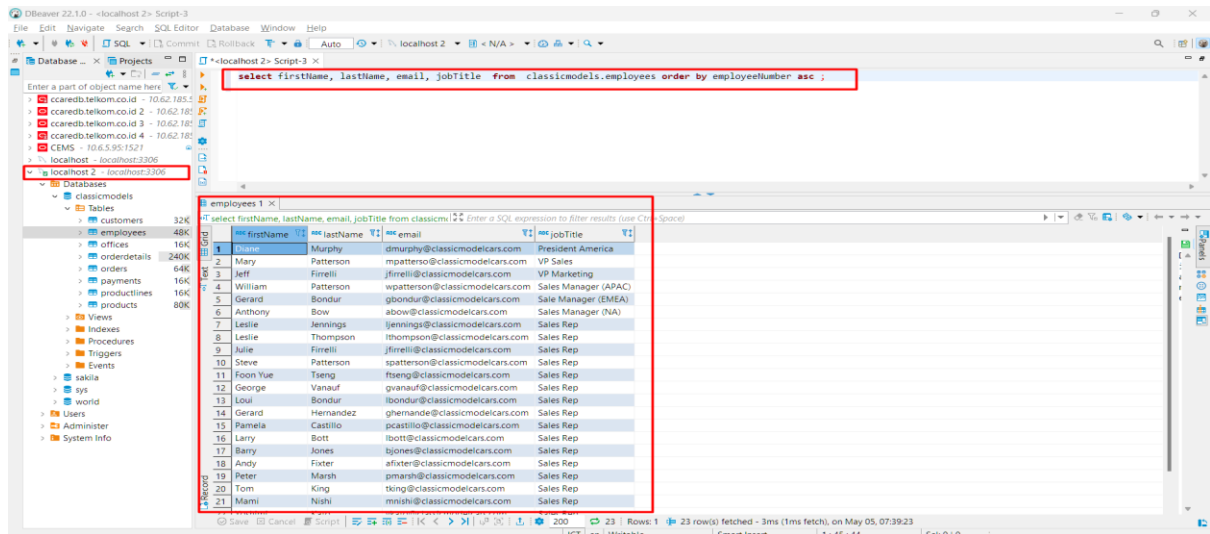


Gambar 2 percobaan 2 :

`select * from classicmodels.employees order by employeeNumber DESC ;`

Note : `order by employeeNumber asc` (digunakan untuk melakukan filter/mengurutkan mulai dari data yg terkecil) dan `desc` adalah kebalikan dari `asc`

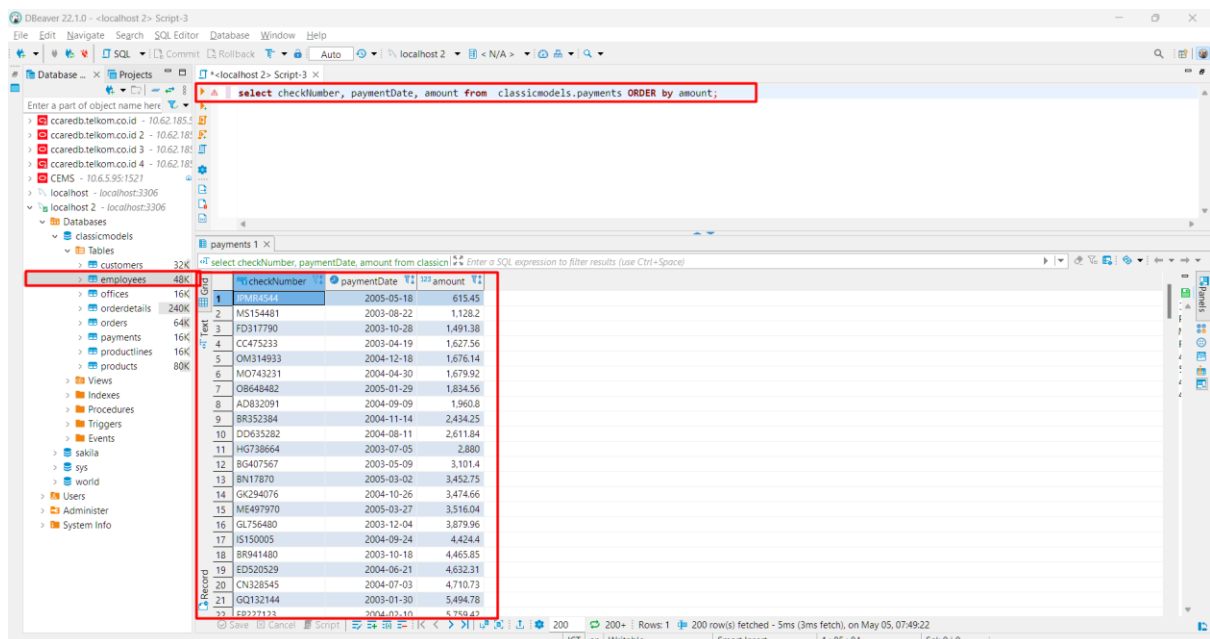
## #Query Select 2 (Menampilkan column data yang hanya ingin di lihat) “Filtering Data”:



Gambar 3

```
select firstName, lastName, email, jobTitle from classicmodels.employees order  
by employeeNumber asc ;
```

## #Query Select 3 (Menampilkan column data yang hanya ingin di lihat & filter berdasarkan data sorting):

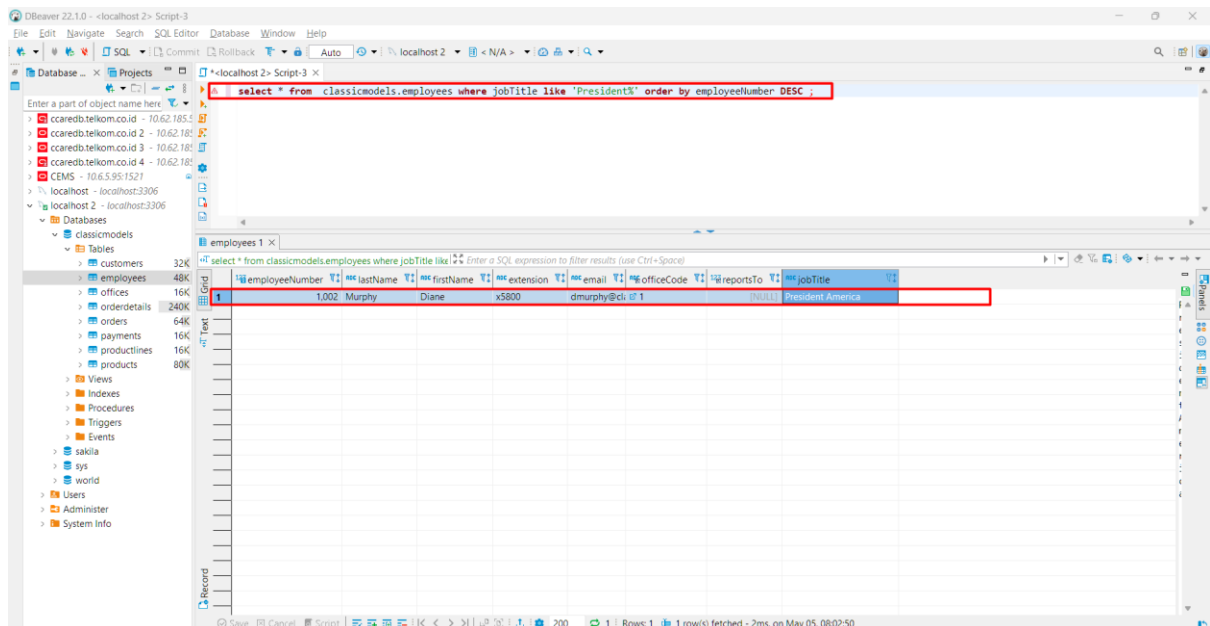


Gambar 4

```
select checkNumber, paymentDate, amount from classicmodels.payments ORDER by  
amount;
```

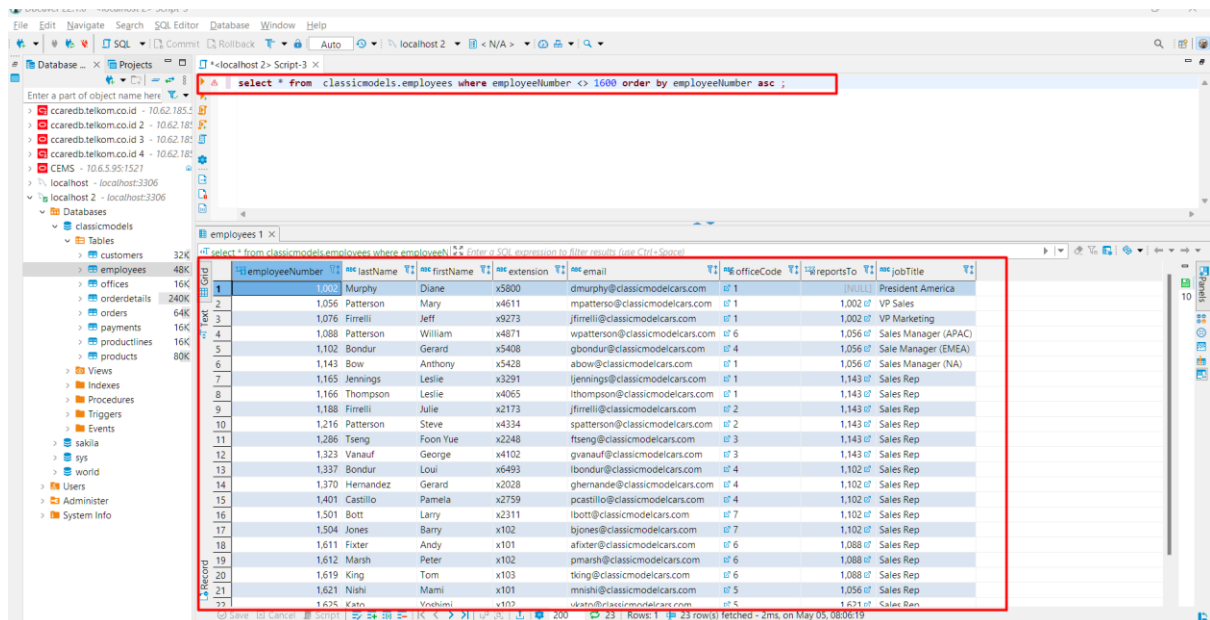
### #Query Select 3 "Like" (mencari data berdasarkan data yang mendekati/serupa)

```
select * from classicmodels.employees where jobTitle like 'President%' order by  
employeeNumber DESC ;
```



Gambar 5 Filtering Data

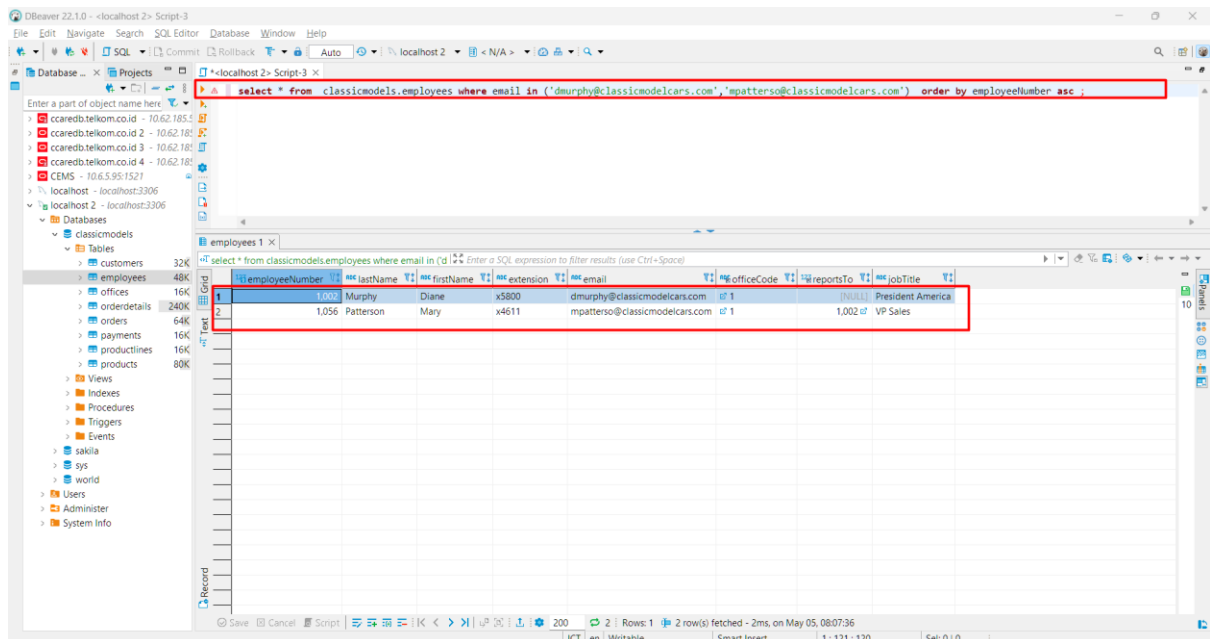
```
select * from classicmodels.employees where employeeNumber <> 1600 order by  
employeeNumber asc ;
```



Gambar 6 Filtering Data

## #Query Select 4 query mencari da

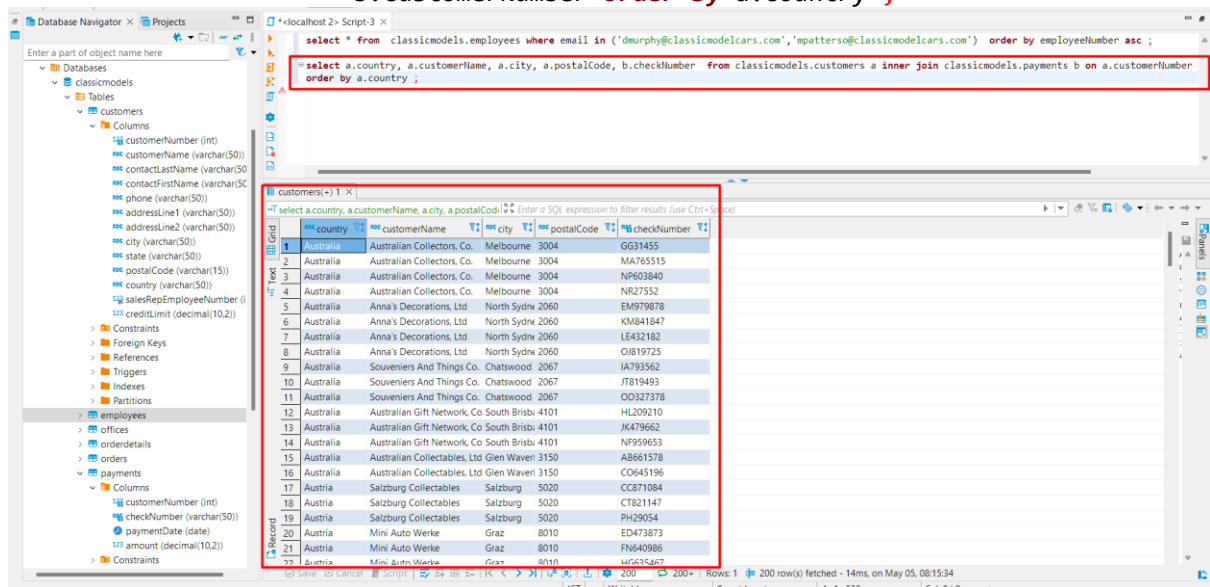
```
select * from classicmodels.employees where email in ('dmurphy@classicmodelcars.com', 'mpatterso@classicmodelcars.com') order by employeeNumber asc ;
```



Gambar 7 Filtering data/mencari filter data lebih dari 1 dengan menggunakan query “in”

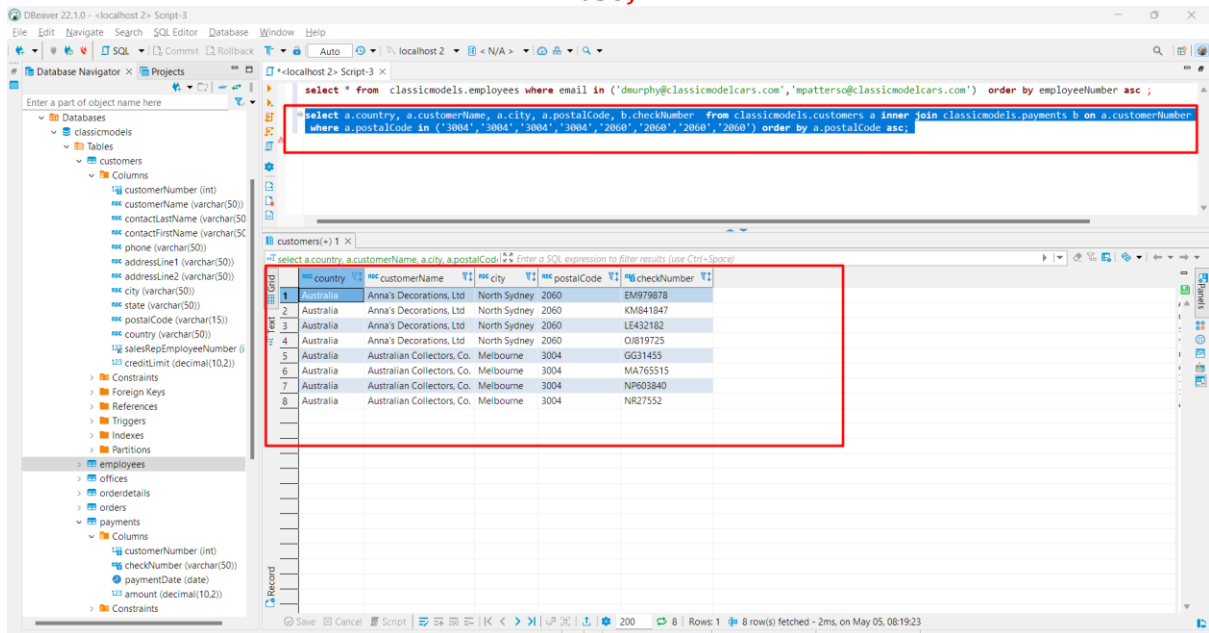
## #Query Select 5 (Join)

```
select a.country, a.customerName, a.city, a.postalCode, b.checkNumber from classicmodels.customers a inner join classicmodels.payments b on a.customerNumber = b.customerNumber order by a.country ;
```



Gambar 8 query join 2 table

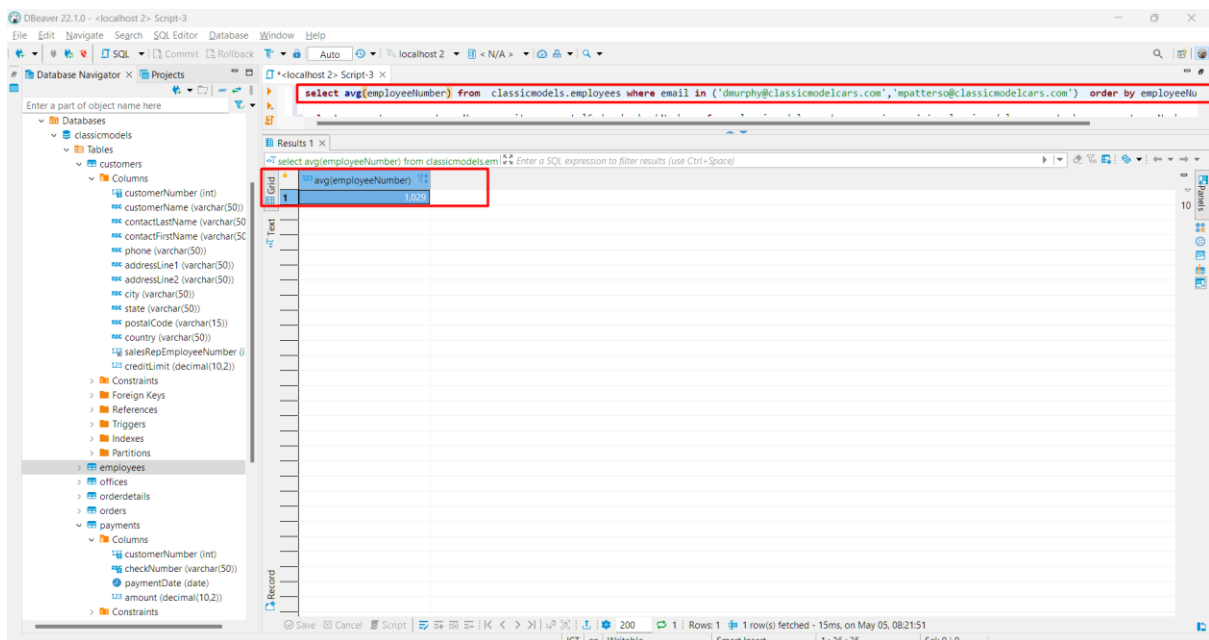
```
select a.country, a.customerName, a.city, a.postalCode, b.checkNumber from
classicmodels.customers a inner join classicmodels.payments b on a.customerNumber
= b.customerNumber where a.postalCode in
('3004','3004','3004','3004','2060','2060','2060','2060') order by a.postalCode
asc;
```



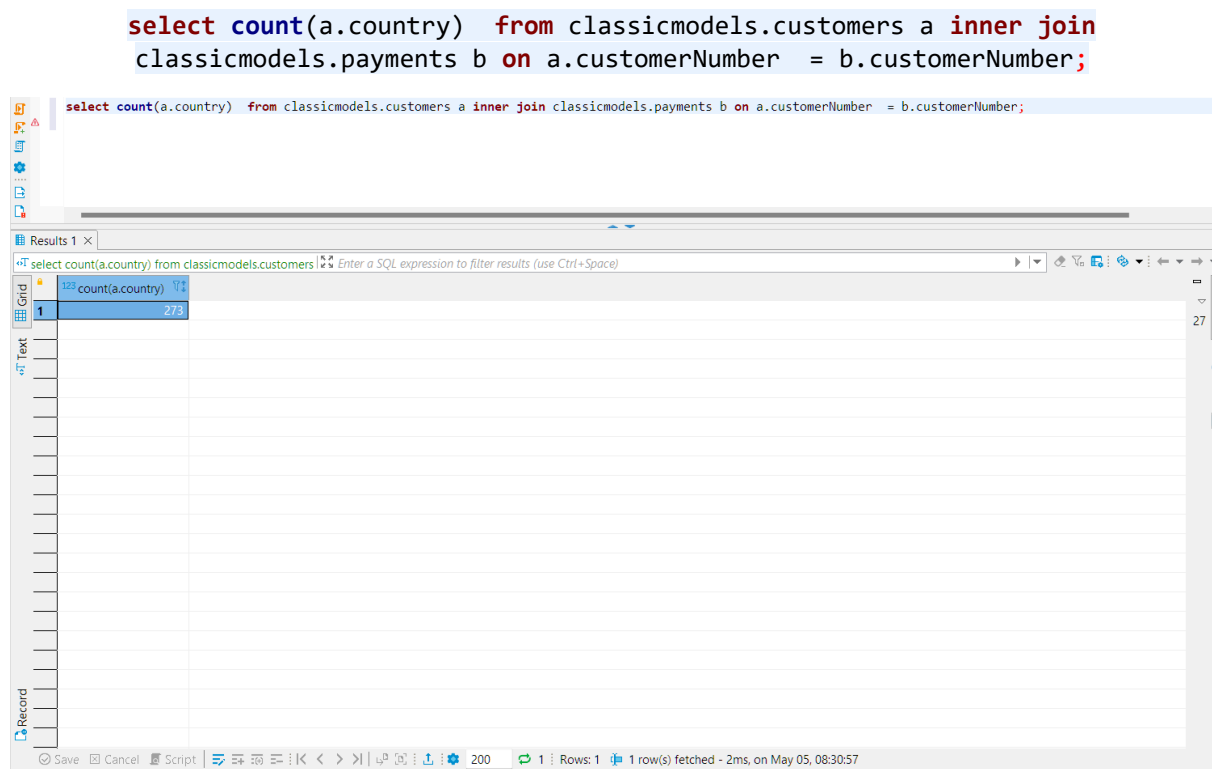
Gambar 9 query join dengan filter data yg ingin di tampilkan

## #Query Select 6 (Aggregate)

```
select avg(employeeNumber) from classicmodels.employees where email in
('dmurphy@classicmodelcars.com','mpatterso@classicmodelcars.com') order by
employeeNumber asc ;
```

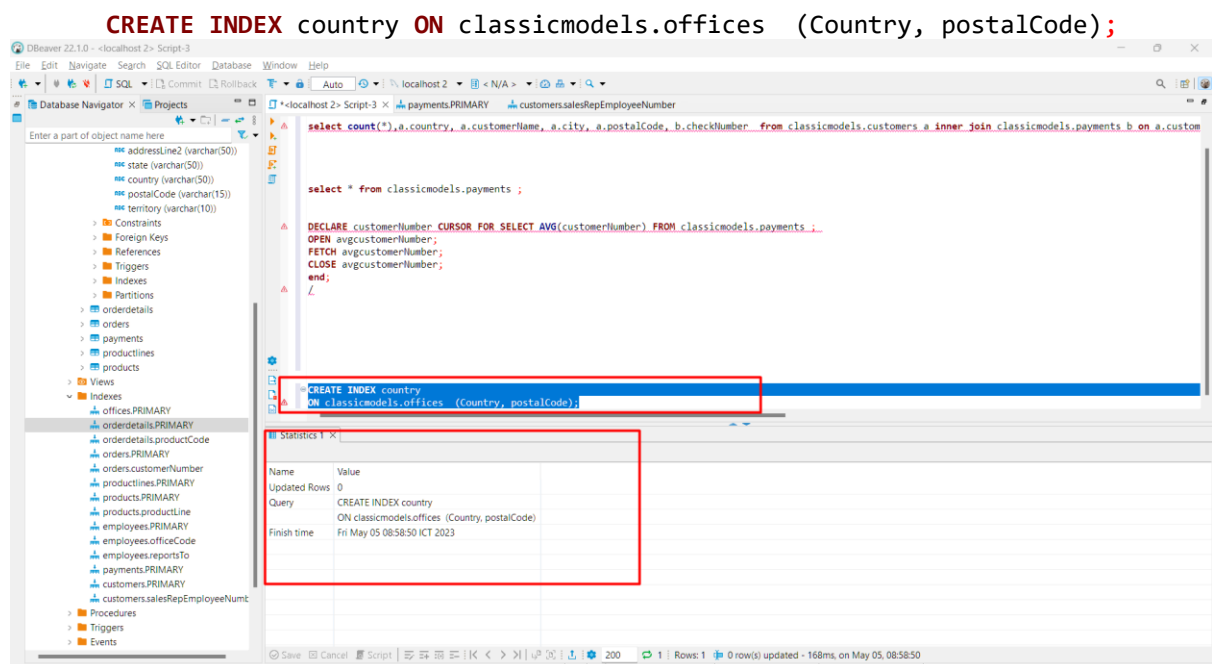


Query 10 Ageregate

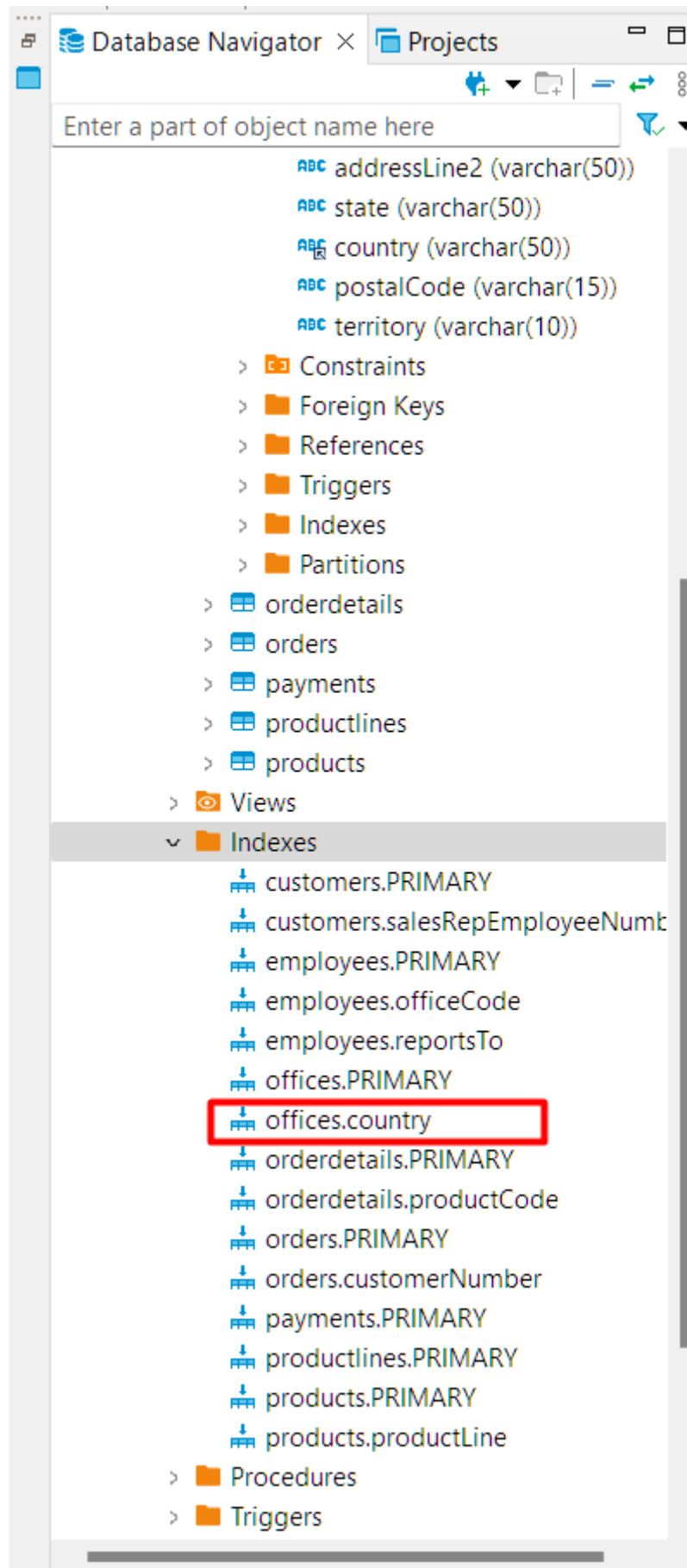


Query 11 count data

## Query 7(Index)



Gambar 12



Gambar 13



## \*Query Update :

**update** classicmodels.employees **set** jobTitle = 'President America' **where** email = 'dmurphy@classicmodelcars.com' **and** extension = 'x5800';

The screenshot shows the DBeaver SQL Editor with the following SQL query:

```
select * from classicmodels.employees order by employeeNumber asc;  
  
update classicmodels.employees set jobTitle = 'President America', employeeNumber = '1000' where email = 'dmurphy@classicmodelcars.com' and extension = 'x5800';
```

The 'employees' table data is displayed below the query:

employeeNumber	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
1	Murphy	Diane	x5800	dmurphy@classicmodelcars.com	01		President
2	Patterson	Mary	x4611	mpatterson@classicmodelcars.com	01	1,002	VP Sales
3	Firrelli	Jeff	x9273	jfirrelli@classicmodelcars.com	01	1,002	VP Marketing
4	Patterson	William	x4871	wpatterson@classicmodelcars.com	06	1,056	Sales Manager (APAC)
5	Bondur	Gerard	x5408	gbondur@classicmodelcars.com	04	1,056	Sale Manager (EMEA)
6	Bow	Anthony	x5428	abow@classicmodelcars.com	01	1,056	Sales Manager (NA)
7	Jennings	Leslie	x3291	ljennings@classicmodelcars.com	01	1,143	Sales Rep
8	Thompson	Leslie	x4065	lthompson@classicmodelcars.com	01	1,143	Sales Rep
9	Firrelli	Julie	x2173	jfirrelli@classicmodelcars.com	02	1,143	Sales Rep
10	Patterson	Steve	x4334	spatterson@classicmodelcars.com	02	1,143	Sales Rep
11	Tseng	Foon Yue	x2248	ftseng@classicmodelcars.com	03	1,143	Sales Rep
12	Vanauf	George	x4102	gvanauf@classicmodelcars.com	03	1,143	Sales Rep
13	Bondur	Lou	x6493	lbondur@classicmodelcars.com	04	1,102	Sales Rep
14	Hernandez	Gerard	x2028	ghernande@classicmodelcars.com	04	1,102	Sales Rep
15	Castillo	Pamela	x2759	pcastillo@classicmodelcars.com	04	1,102	Sales Rep
16	Bott	Larry	x2311	lbott@classicmodelcars.com	07	1,102	Sales Rep
17	Jones	Barry	x102	bjones@classicmodelcars.com	07	1,102	Sales Rep
18	Fixter	Andy	x101	afixter@classicmodelcars.com	06	1,088	Sales Rep
19	Marsh	Peter	x102	pmarsh@classicmodelcars.com	06	1,088	Sales Rep

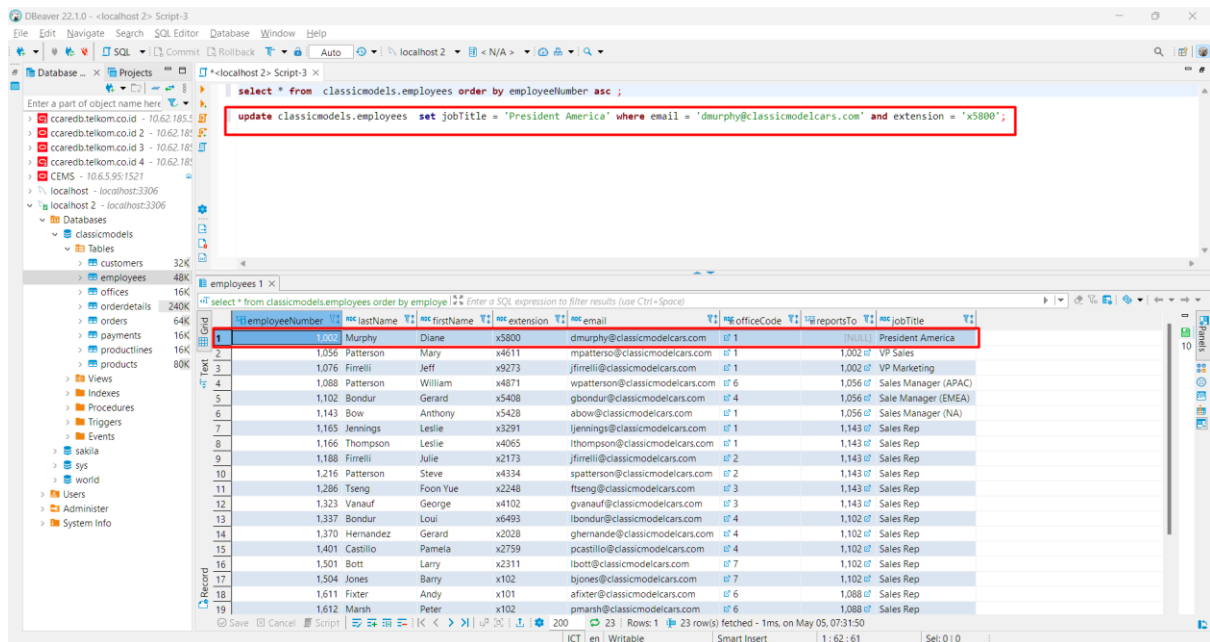
Gambar 2 data yang belum di update

The screenshot shows the DBeaver SQL Editor with the same SQL query as above. The 'Statistics' window is open, showing the following information:

Name	Value
Updated Rows	1
Query	update classicmodels.employees set jobTitle = 'President America' where email = 'dmurphy@classicmodelcars.com' and extension = 'x5800'
Finish time	Fri May 05 07:30:13 ICT 2023

The status bar at the bottom indicates: 1 Rows: 1 1 row(s) updated - 25ms, on May 05, 07:30:13.





Gambar 3 setelah update

### Query Tambahan (Insert)

```
INSERT INTO classicmodels.Customers (CustomerName, contactFirstName, AddressLine1,
City, PostalCode, Country, customerNumber,contactLastName,phone)
VALUES ('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway',
'1232323232','aljsdalsd','232323223');
```

