

LAPORAN AKHIR PRAKTIKUM

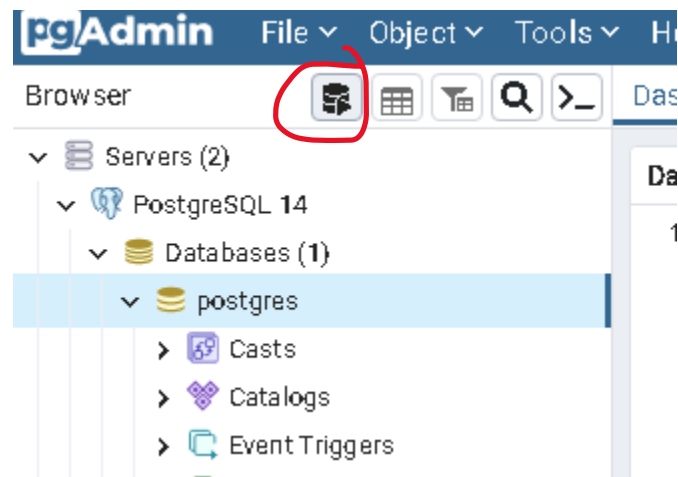
Mata Praktikum : Interaksi Manusia dan Komputer
Kelas : 3IA02
Praktikum ke- : 2
Tanggal : 26/10/22
Materi : Data Manipulation Language
NPM : 50420562
Nama : Ibrahim Bramullah
Ketua Asisten : Natasya Rahma Fadilla
Paraf Asisten :
Nama Asisten :
Jumlah Lembar : 9 Lembar

LABORATORIUM TEKNIK INFORMATIKA

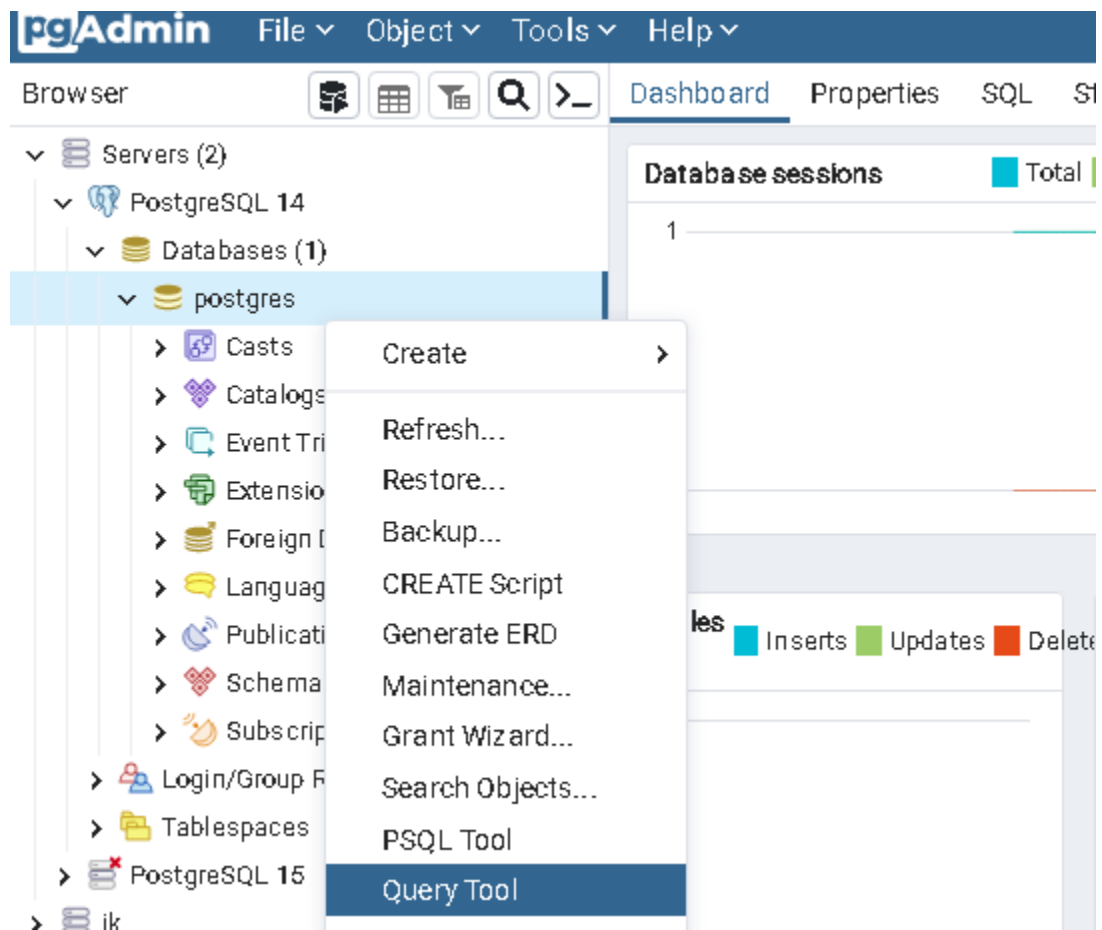
UNIVERSITAS GUNADARMA

2022

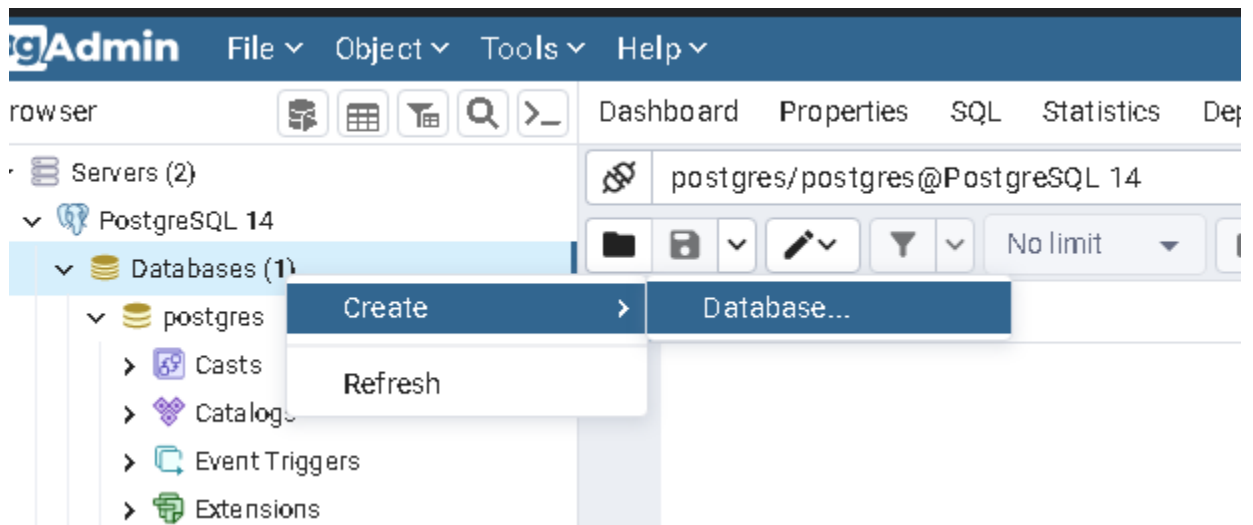
Buka Query Tool



Atau dengan

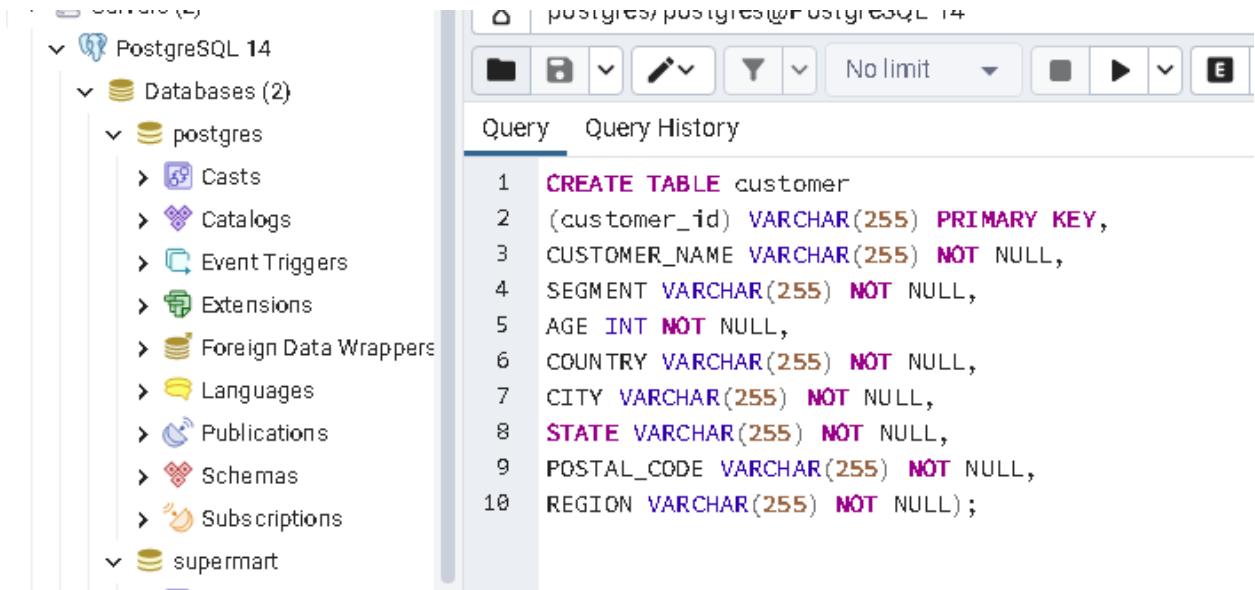


1. Buatlah database dengan nama supermart

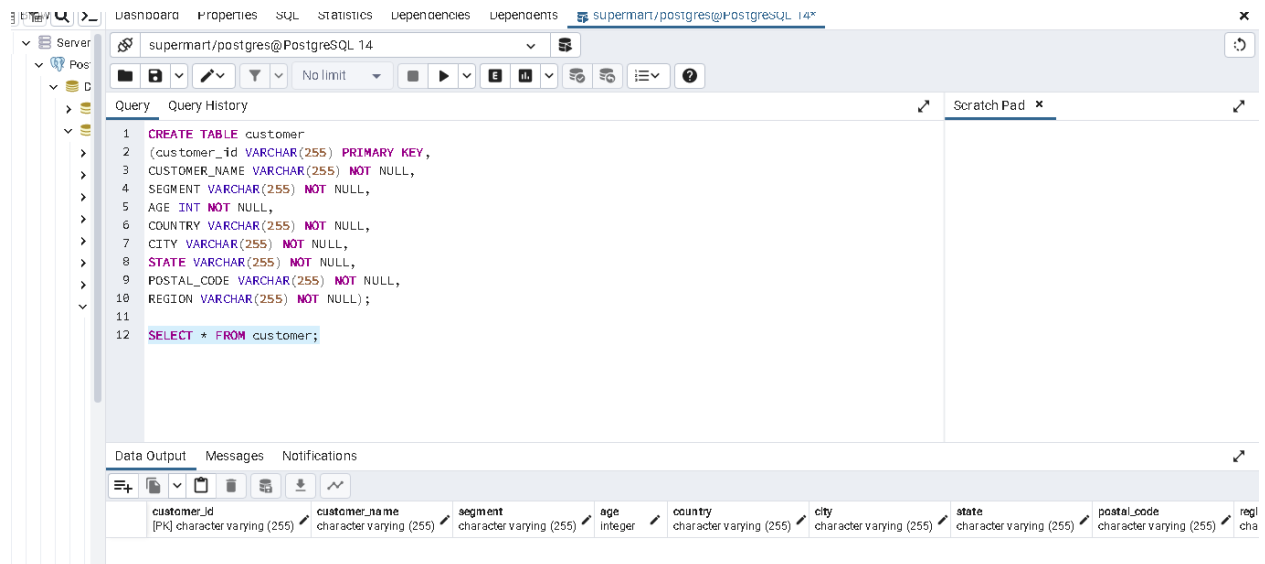


2. Buat table dengan nama customer dengan ketentuan

Field	Tipe Data	Panjang	Keterangan
customer_id	Varchar	255	Primary Key
customer_name	Varchar	255	Not Null
segment	Varchar	255	Not Null
age	Integer	-	Not Null
country	Varchar	255	Not Null
city	Varchar	255	Not Null
state	Varchar	255	Not Null
postal_code	Big Integer	-	Not Null
region	Varchar	255	Not Null



3. Tampilkan struktur table customer yang telah dibuat



4. Masukkan data berikut ke dalam table customer lalu tampilkan isi table customer tersebut

customer_id	customer_name	segment	age	country	city	state	postal_code	region
(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)	(isi sesuai data diri kalian)
CG-12520	Claire Gute	Consumer	67	United States	Henderson	Kentucky	42420	South
DV-13045	Darrin Van Huff	Corporate	31	United States	Los Angeles	California	90036	West
SO-20335	Sean O'Donnell	Consumer	65	United States	Fort Lauderdale	Florida	33311	South
BH-11710	Brosina Hoffman	Consumer	20	United States	Los Angeles	California	90032	West
AA-10480	Andrew Allen	Consumer	50	United States	Concord	North Carolina	28027	South
IM-15070	Irene Maddox	Consumer	66	United States	Seattle	Washington	98103	West
HP-14815	Harold Pawlan	Home Office	20	United States	Fort Worth	Texas	76106	Central
PK-19075	Pete Kriz	Consumer	46	United States	Madison	Wisconsin	53711	Central
AG-10270	Alejandro Grove	Consumer	18	United States	West Jordan	Utah	84084	West
ZD-21925	Zuschuss Donatelli	Consumer	66	United States	San Francisco	California	94109	West

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Query Query History
15
16 --4
17 insert into customer values ('UG-50420562', 'Ibrahim Bramullah', 'Chairman',20,'Indonesian','Jakarta','Jakarta Selatan',50420562,'South');
18 insert into customer values ('CG-12520','Claire Gute','Customer',67,'United States','Henderson','Kentucky',42420,'South');
19 insert into customer values ('DV-13045','Darrin Van Huff','Corporate',31,'United States','Los Angeles','California',42420,'South');
20 insert into customer values ('SO-20335','Sean O'Donnell','Customer',65,'United States','Fort Lauderdale','Florida',33311,'South');
21 insert into customer values ('BH-11710','Brosina Hoffman','Customer',20,'United States','Los Angeles','California',90032,'West');
22 insert into customer values ('AA-10480','Andrew Allen','Customer',50,'United States','Concord','North Carolina',28027,'South');
23 insert into customer values ('IM-15070','Irene Maddox','Customer',66,'United States','Seattle','Washington',98103,'West');
24 insert into customer values ('HP-14815','Harold Pawlan','Home Office',20,'United States','Fort Worth','Texas',76106,'Central');
25 insert into customer values ('PK-19075','Pete Kriz','Customer',46,'United States','Madison','Wisconsin',53711,'Central');
26 insert into customer values ('AG-10270','Alejandro Grove','Customer',18,'United States','West Jordan','Utah',84084,'West');
27 insert into customer values ('ZD-21925','Zuschuss Donatelli','Customer',66,'United States','San Francisco','California',94109,'West');
28
29
30
31
Data Output Messages Notifications

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Data Output Messages Notifications										
	customer_id [PK] character varying (255)	customer_name character varying (255)	segment character varying (255)	age integer	country character varying (255)	city character varying (255)	state character varying (255)	postal_code character varying (255)	region character varying (255)	
1	UG-50420562	Ibrahim Bramullah	Chairman	20	Indonesian	Jakarta	Jakarta Selatan	50420562	South	
2	CG-12520	Claire Gute	Customer	67	United States	Henderson	Kentucky	42420	South	
3	DV-13045	Darrin Van Huff	Corporate	31	United States	Los Angeles	California	42420	South	
4	SO-20335	Sean O'Donnell	Customer	65	United States	Fort Lauderdale	Florida	33311	South	
5	BH-11710	Brosina Hoffman	Customer	20	United States	Los Angeles	California	90032	West	
6	AA-10480	Andrew Allen	Customer	50	United States	Concord	North Carolina	28027	South	
7	IM-15070	Irene Maddox	Customer	66	United States	Seattle	Washington	98103	West	
8	HP-14815	Harold Pawlan	Home Office	20	United States	Forth Worth	Texas	76106	Central	
9	PK-19075	Pete Kriz	Customer	46	United States	Madison	Wisconsin	53711	Central	
10	AG-10279	Alejandro Grove	Customer	18	United States	West Jordan	Utah	84084	West	
11	ZD-21925	Zuschuss Donatelli	Customer	66	United States	San Francisco	California	94109	West	

Data Output Messages Notifications										
	(255)	customer_name character varying (255)	segment character varying (255)	age integer	country character varying (255)	city character varying (255)	state character varying (255)	postal_code character varying (255)	region character varying (255)	
1		Ibrahim Bramullah	Chairman	20	Indonesian	Jakarta	Jakarta Selatan	50420562	South	
2		Claire Gute	Customer	67	United States	Henderson	Kentucky	42420	South	
3		Darrin Van Huff	Corporate	31	United States	Los Angeles	California	42420	South	
4		Sean O'Donnell	Customer	65	United States	Fort Lauderdale	Florida	33311	South	
5		Brosina Hoffman	Customer	20	United States	Los Angeles	California	90032	West	
6		Andrew Allen	Customer	50	United States	Concord	North Carolina	28027	South	
7		Irene Maddox	Customer	66	United States	Seattle	Washington	98103	West	
8		Harold Pawlan	Home Office	20	United States	Forth Worth	Texas	76106	Central	
9		Pete Kriz	Customer	46	United States	Madison	Wisconsin	53711	Central	
10		Alejandro Grove	Customer	18	United States	West Jordan	Utah	84084	West	
11		Zuschuss Donatelli	Customer	66	United States	San Francisco	California	94109	West	

5. Tambahkan kolom/field email pada table customer

```

28
29 --5
30 alter table customer add email varchar;
31
32

```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 70 msec.

6. Hapus field email pada table customer

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31  
32 --6  
33 alter table customer drop email;  
34
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Data Output	Messages	Notifications
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ALTER TABLE

Query returned successfully in 67 msec.

7. Ubah isi kolom segment pada customer dengan customer_id_ZD-21925 menjadi “Corporate”

```
34  
35 --7  
36 update customer set segment = 'Corporate' where customer_id = 'ZD-21925'
```

Data Output	Messages	Notifications
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UPDATE 1

Query returned successfully in 118 msec.

8. Tampilkan Kembali table customer

	customer_id [PK] character varying (255)	customer_name character varying (255)	segment character varying (255)	age integer
1	UG-50420562	Ibrahim Bramullah	Chairman	
2	CG-12520	Claire Gute	Customer	
3	DV-13045	Darrin Van Huff	Corporate	
4	SO-20335	Sean O'Donnell	Customer	
5	BH-11710	Brosina Hoffman	Customer	
6	AA-10480	Andrew Allen	Customer	
7	IM-15070	Irene Maddox	Customer	
8	HP-14815	Harold Pawlan	Home Office	
9	PK-19075	Pete Kriz	Customer	
10	AG-10279	Alejandro Grove	Customer	
11	ZD-21925	Zuschuss Donatelli	Corporate	

Data Output Messages Notifications									
	customer_id [PK] character varying (255)	customer_name character varying (255)	segment character varying (255)	age integer	country character varying (255)	city character varying (255)	state character varying (255)	postal_code character varying (255)	regional_salesperson character varying (255)
1	UG-50420562	Ibrahim Bramullah	Chairman	20	Indonesian	Jakarta	Jakarta Selatan	50420562	Southeast Asia
2	CG-1 2520	Claire Gute	Customer	67	United States	Henderson	Kentucky	42420	South America
3	DV-1 3045	Darrin Van Huff	Corporate	31	United States	Los Angeles	California	42420	South America
4	SD-20335	Sean O'Donnell	Customer	65	United States	Fort Lauderdale	Florida	33311	South America
5	BH-1 1710	Brosina Hoffman	Customer	20	United States	Los Angeles	California	90032	Western Europe
6	AA-1 0480	Andrew Allen	Customer	50	United States	Concord	North Carolina	28027	South America
7	IM-1 5070	Irene Maddox	Customer	66	United States	Seattle	Washington	98103	Western Europe
8	HP-1 4815	Harold Pawlan	Home Office	20	United States	Forth Worth	Texas	76106	Central Europe
9	PK-1 9075	Pete Kriz	Customer	46	United States	Madison	Wisconsin	53711	Central Europe
10	AG-1 0279	Alejandro Grove	Customer	18	United States	West Jordan	Utah	84084	Western Europe
11	ZD-21925	Zuschuss Donatelli	Corporate	66	United States	San Francisco	California	94109	Western Europe


```
44 INSERT INTO customer VALUES ('AA-10480', 'Andrew Allen', 'Customer', 50, 'United States', 'Concord', 'North Carolina', 28027, 'South');
```

	customer_name character varying (255)	segment character varying (255)	age integer	country character varying (255)	city character varying (255)	state character varying (255)	postal_code character varying (255)	region character varying (255)
1	Ibrahim Bramullah	Chairman	20	Indonesian	Jakarta	Jakarta Selatan	50420562	South
2	Claire Gute	Customer	67	United States	Henderson	Kentucky	42420	South
3	Darrin Van Huff	Corporate	31	United States	Los Angeles	California	42420	South
4	Sean O Donnell	Customer	65	United States	Fort Lauderdale	Florida	33311	South
5	Brosina Hoffman	Customer	20	United States	Los Angeles	California	90032	West
6	Andrew Allen	Customer	50	United States	Concord	North Carolina	28027	South
7	Irene Maddox	Customer	66	United States	Seattle	Washington	98103	West
8	Harold Pawlan	Home Office	20	United States	Forth Worth	Texas	76106	Central
9	Pete Kriz	Customer	46	United States	Madison	Wisconsin	53711	Central
10	Alejandro Grove	Customer	18	United States	West Jordan	Utah	84084	West
11	Zuschuss Donatelli	Corporate	66	United States	San Francisco	California	94109	West