

Nama: Maisan Auliya

NRP: 5025201137

Kelas: MBD B

1. Buat local user admin dan pelanggan

```
1 CREATE USER admin WITH PASSWORD 'admin';
2 CREATE USER pelanggan WITH PASSWORD 'pelanggan';
```

Data Output Messages Notifications

CREATE ROLE

Query returned successfully in 64 msec.

Untuk membuat local user admin saya menggunakan CREATE USER. Kemudian user admin diberi password dengan syntax WITH PASSWORD, password yang ditentukan untuk user admin adalah 'admin'. Kemudian membuat user pelanggan menggunakan cara yang sama.

Hasil:

```
1 SELECT username FROM pg_user;
```

Data Output		Messages	Notifications
username			
name			
1	postgres		
2	admin		
3	pelanggan		

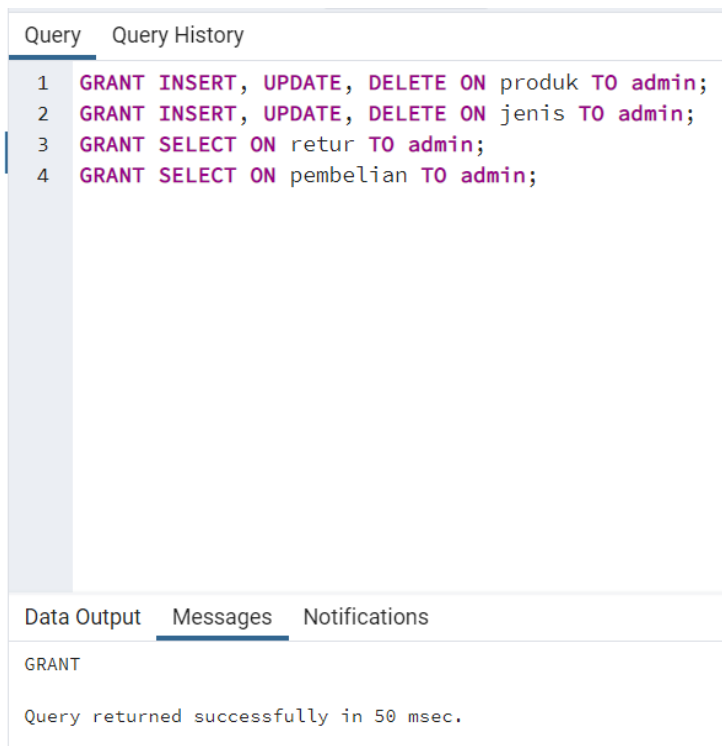
2. Memberikan privilege kepada admin dan pelanggan

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- Privilege admin
 - insert, update, delete tabel produk dan jenis
 - view tabel retur dan pembelian



```
Query    Query History
1  GRANT INSERT, UPDATE, DELETE ON produk TO admin;
2  GRANT INSERT, UPDATE, DELETE ON jenis TO admin;
3  GRANT SELECT ON retur TO admin;
4  GRANT SELECT ON pembelian TO admin;

Data Output  Messages  Notifications
GRANT
Query returned successfully in 50 msec.
```

Menggunakan GRANT untuk memberikan privilege ke user admin.

Hasil:

```
1  SELECT table_name, privilege_type
2  FROM information_schema.role_table_grants
3  WHERE grantee = 'admin';
```

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	table_name name	privilege_type character varying
1	pembelian	SELECT
2	produk	INSERT
3	produk	UPDATE
4	produk	DELETE
5	jenis	INSERT
6	jenis	UPDATE
7	jenis	DELETE
8	retur	SELECT

- Privilege pelanggan
 - view tabel jenis dan produk

Query Query History

```
1 GRANT SELECT ON jenis TO pelanggan;  
2 GRANT SELECT ON produk TO pelanggan;  
3
```

Data Output Messages Notifications

GRANT

Query returned successfully in 56 msec.

Sama seperti pada admin, menggunakan GRANT untuk memberikan privilege

Hasil:

```
1 SELECT table_name, privilege_type  
2 FROM information_schema.role_table_grants  
3 WHERE grantee = 'pelanggan';
```

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	table_name name	privilege_type character varying
1	jenis	SELECT
2	produk	SELECT

3. Backup tabel retur dan pembelian

Backup (Database: Privilege)

GeneralData/ObjectsOptions

Filename

Privilege

Format

Custom

Compression ratio

Encoding

Select an item...

Number of jobs

Role name

Select an item...

i?

CloseResetBackup

Backup database Privilege yang ada tabel retur dan pembelian.

Hasil:

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Process completed



Backing up an object on the server 'PostgreSQL 15 (localhost:5432)' from database 'Privilege'



View Processes

Process started



Backing up an object on the server 'PostgreSQL 15 (localhost:5432)' from database 'Privilege'



View Processes