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Tugas Modul 9

1. Buat user baru

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.18362.778]
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C:\Users\ASUS>cd ../..

C:\>cd c:\xampp\mysql\bin

c:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.11-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use mysql;
Database changed
MariaDB [mysql]> create user'alif'@'localhost' identified by 'alif';
ERROR 1290 (HY000): The MariaDB server is running with the --skip-grant-tables option so it cannot execute this statement
MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected, 1 warning (0.778 sec)

MariaDB [mysql]> create user'alif'@'localhost' identified by 'alif';
Query OK, 0 rows affected (0.083 sec)

MariaDB [mysql]>
```

2. Beri privileges

- Dapat melakukan insert, update, dan delete pada table nasabah
- Hanya dapat melakukan select pada table cabang_bank

```
Command Prompt - mysql -u root -p

MariaDB [mysql]> create user'alif'@'localhost' identified by 'alif';
Query OK, 0 rows affected (0.083 sec)

MariaDB [mysql]> GRANT INSERT,UPDATE,DELETE on perbankan.nasabah to alif;
Query OK, 0 rows affected (0.199 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.002 sec)

MariaDB [mysql]> GRANT SELECT on perbankan.cabang_bank to alif;
Query OK, 0 rows affected (0.146 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.001 sec)

MariaDB [mysql]> _
```

3. Login sebagai user

a. Lakukan perintah select pada table nasabah

```
Command Prompt - mysql -u alif -p
c:\xampp\mysql\bin>mysql -u alif -p
Enter password: ****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 20
Server version: 10.4.11-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> select * from nasabah;
ERROR 1142 (42000): SELECT command denied to user 'alif'@'localhost' for table 'nasabah'
MariaDB [perbankan]>
```

Akses untuk perintah SELECT di table nasabah ditolak, karena pada table nasabah hanya mengijinkan perintah INSERT, UPDATE, dan DELETE

b. Lakukan perintah insert pada table nasabah

```
C:\Windows\System32\cmd.exe - mysql -u alif -p
MariaDB [perbankan]> insert into nasabah values('32','Josh','Klaten');
Query OK, 1 row affected (0.288 sec)

MariaDB [perbankan]> _
```

Perintah select dapat dilakukan, karena pada table nasabah diizinkan menggunakan perintah insert pada user alif

c. Lakukan perintah insert pada table cabang_bank

```
Command Prompt - mysql -u alif -p
MariaDB [perbankan]> insert into cabang_bank values('BRUT','Bank Rut Unit Tangerang','Jl. Duku 1');
ERROR 1142 (42000): INSERT command denied to user 'alif'@'localhost' for table 'cabang_bank'

MariaDB [perbankan]>
```

Akses untuk perintah INSERT di table cabang_bank ditolak, karena pada table cabang_bank hanya mengijinkan perintah SELECT saja.

4. Pada percobaan diatas, user baru dapat melakukan insert,update,dan delete pada table nasabah dan hanya dapat melakukan select pada table cabang_bank. Pada soal nomor 3 poin a perintah select pada table nasabah tidak dapat dilakukan karena tidak diberi izin ke user, kemudian poin b perintah insert pada table nasabah dapat dilakukan karena perintah tersebut diberi izin ke user, sedangkan poin c perintah insert tidak dapat dilakukan pada table cabang_bank karena tidak diberi izin ke user tsb.