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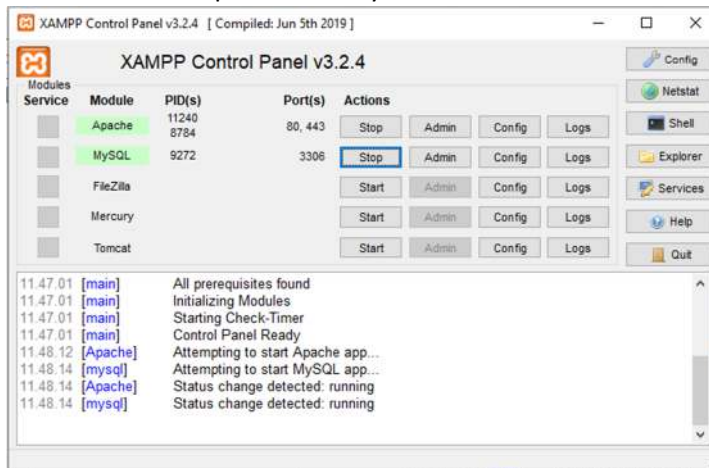
NIM : L200180217

Prak Sistem Basis Data

## Modul 9 DCL

### Latihan

1. Jalankan mysql
2. Jalankan server Apache dan MySQL



3. Buka CMD dan login sebagai root seperti biasa

```
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 110
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

4. Pilih "use mysql"

```
MariaDB [(none)]> use mysql;
Database changed
```

5. Masukkan user baru ke table user
6. Berikan hak akses kepada user 'myuser'
7. Keluar sebagai user root dengan sintax 'exit'

```
MariaDB [mysql]> create user 'rizaldi'@'localhost' identified by '123';
Query OK, 0 rows affected (0.470 sec)
```

```

MariaDB [mysql]> grant select on perbankan.nasabah to rizaldi;
Query OK, 0 rows affected (0.049 sec)

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

MariaDB [mysql]> grant select on perbankan.cabang_bank to rizaldi;
Query OK, 0 rows affected (0.052 sec)

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

MariaDB [mysql]> exit
Bye

```

8. Login lagi sebagai myuser
9. Menggunakan database perbankan dengan dengan ketik 'use perbankan'

```

C:\xampp\mysql\bin>mysql -u rizaldi -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 111
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use perbankan;
Database changed

```

10. Lakukan select nasabah

```

MariaDB [perbankan]> select*from nasabah;
+-----+-----+-----+-----+
| id_nasabah | nama_perbankan | alamat_nasabah | ttl_nasabah |
+-----+-----+-----+-----+
| 1 | Sutopo | Jln.Jenderal Sudirman No.12 Semarang | 1980-08-31 |
| 2 | Maryati | Jln.MT Haryono No.31 Pati | 1983-09-13 |
| 3 | Superman | Jln. Hasanudin No.81 Makassar | 1979-12-23 |
| 4 | Kartika Padmasari | Jln.Manggis No.15 Klaten | 1989-02-13 |
| 5 | Budi Eko Prayogo | Jln.Kantil No.30 Sragen | 1991-04-10 |
| 6 | Satria Eka Jaya | Jln Slamet Riyadi No.45 Solo | 1992-08-11 |
| 8 | Sari Murti | Jln.Pangandaran No.11 Bandung | 1994-10-04 |
| 9 | Canka Lokananta | Jln.Tidar No.86 Magelang | 1998-05-31 |
| 10 | Budi Martono | Jln.Merak No.22 Klaten | 1993-04-20 |
+-----+-----+-----+-----+
9 rows in set (0.000 sec)

MariaDB [perbankan]> insert into nasabah values (31,'Susilo','Sukoharjo',1999-04-19);
ERROR 1142 (42000): INSERT command denied to user 'rizaldi'@'localhost' for table 'nasabah'

```

11. Ketikkan perintah 'Exit' dan masuk sebagai root

```

MariaDB [perbankan]> exit
Bye

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 112
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

```

12. Hilangkan salah satu privileges untuk user myuser

```
MariaDB [(none)]> use mysql;
Database changed
MariaDB [mysql]> revoke select on perbankan.nasabah from rizaldi;
Query OK, 0 rows affected (0.094 sec)

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

13. Kemudian Exit dan login sebagai myuser

14. Gunakan database perbankan

```
C:\xampp\mysql\bin>mysql -u rizaldi -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 113
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use perbankan;
Database changed
```

15. Select pada table nasabah

```
MariaDB [perbankan]> select*from nasabah;
ERROR 1142 (42000): SELECT command denied to user 'rizaldi'@'localhost' for table 'nasabah'
MariaDB [perbankan]> _
```

## TUGAS

1. Membuat User Baru

```
MariaDB [(none)]> use mysql;
Database changed
MariaDB [mysql]> create user 'khalif'@'localhost' identified by 'khalif';
Query OK, 0 rows affected (0.072 sec)
```

2. Memberi privilege pada user

- Melakukan Insert, Update, Delete pada nasabah
- Hanya melakukan select pada tabel cabang\_bank

```
MariaDB [mysql]> grant insert on perbankan.nasabah to khalif@localhost;
Query OK, 0 rows affected (0.025 sec)

MariaDB [mysql]> grant update on perbankan.nasabah to khalif@localhost;
Query OK, 0 rows affected (0.124 sec)

MariaDB [mysql]> grant delete on perbankan.nasabah to khalif@localhost;
Query OK, 0 rows affected (0.041 sec)

MariaDB [mysql]> grant select on perbankan.cabang_bank to khalif@localhost;
Query OK, 0 rows affected (0.114 sec)
```

3. Lakukan kasus sebagai berikut ini dengan login sebagai user
  - a. Lakukan perintah SELECT pada tabel nasabah

```
MariaDB [perbankan]> select*from nasabah;  
ERROR 1142 (42000): SELECT command denied to user 'rizaldi'@'localhost' for table 'nasabah'
```

- b. Lakukan perintah INSERT pada tabel nasabah

```
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_perbankan,alamat_nasabah,ttl_nasabah) values(39,'rizal','Semarang',1999-04-02);  
ERROR 1142 (42000): INSERT command denied to user 'rizaldi'@'localhost' for table 'nasabah'
```

- c. Lakukan perintah INSERT pada tabel cabang\_bank

```
MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values(BRUJ,'Bank Unit Jeddah','Jln. Semarang');  
ERROR 1142 (42000): INSERT command denied to user 'rizaldi'@'localhost' for table 'cabang_bank'  
MariaDB [perbankan]>
```

4. Analisa percobaan

User tidak bisa mengakses select , insert nasabah dan cabang\_bank karna belum di beri grant