

TUGAS 2

SISTEM MANAJEMEN BASIS DATA


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1. Diagram pada tugas 1



```
C:\Windows\system32\cmd.exe - mysql...  
MariaDB [DBMS1]> show tables;  
+-----+  
| Tables_in_dbms |  
+-----+  
| customers      |  
| employees      |  
| offices        |  
| order_details  |  
| orders         |  
| payments       |  
| product        |  
| productlines   |  
+-----+  
8 rows in set (0.00 sec)
```

2. pembuatan ROLE 3 buah :



```
C:\Windows\system32\cmd.exe - mysql -u root -p  
MariaDB [DBMS1]> create ROLE DBMS_dev, DB,S_read, DBMS_write;  
Query OK, 0 rows affected (0.14 sec)
```

3. Memberikan hak akses pada ROLE:

Perintah

```
MariaDB [DBMS]> grant all on DBMS.* to DBMS_dev;  
Query OK, 0 rows affected (1.22 sec)
```

Berikut ini perintah untuk memberikan hak akses perintah **SELECT** pada role 'crm_read':

```
MariaDB [DBMS]> grant select on DBMS.* to DBMS_read;  
Query OK, 0 rows affected (0.05 sec)
```

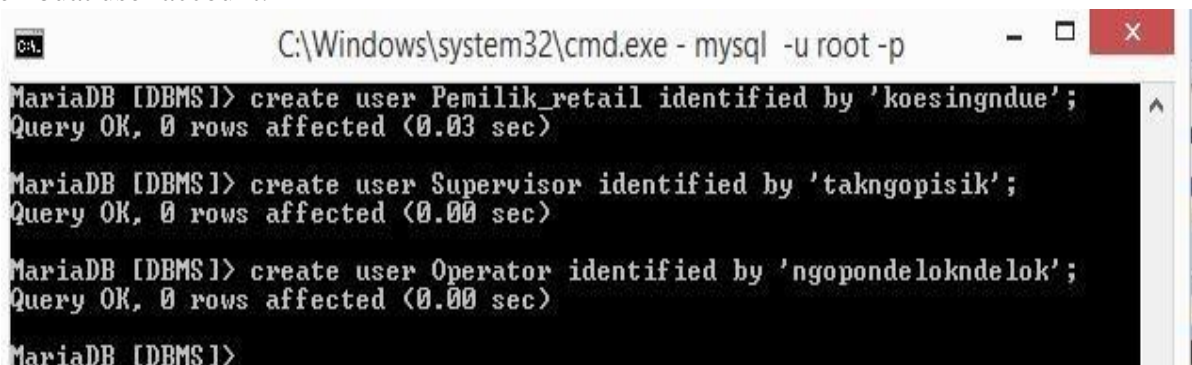
Selanjutnya perintah berikut memberikan hak akses perintah **INSERT**, **UPDATE** dan **DELETE** kepada role 'crm_write'

```
MariaDB [DBMS]> grant insert, update, delete on DBMS.* to DBMS_write;  
Query OK, 0 rows affected (0.05 sec)
```

4. Memberikan hak akses dalam ROLE pada user:

Misal terdapat satu user account sebagai developer, satu user account hanya bisa membaca saja, dan dua user account memiliki hak akses baca dan tulis.

Membuat user account:



```
C:\Windows\system32\cmd.exe - mysql -u root -p  
MariaDB [DBMS]> create user Pemilik_retail identified by 'koesingndue';  
Query OK, 0 rows affected (0.03 sec)  
  
MariaDB [DBMS]> create user Supervisor identified by 'takngopisik';  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [DBMS]> create user Operator identified by 'ngopondelokndelok';  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [DBMS]>
```

Memberikan hak akses ROLE pada user:

```
MariaDB [DBMS]> grant DBMS_dev to Pemilik_retail;
Query OK, 0 rows affected (0.00 sec)

MariaDB [DBMS]> grant DBMS_write to Operator;
Query OK, 0 rows affected (0.00 sec)

MariaDB [DBMS]> grant DBMS_read to Supervisor;
Query OK, 0 rows affected (0.00 sec)

MariaDB [DBMS]> grant DBMS_write to Supervisor;
Query OK, 0 rows affected (0.00 sec)
```

Tampilkan hak akses dari user:

```
MariaDB [DBMS]> show grants for Supervisor;
+-----+
+-----+
```

Output di layar:

```
| GRANT DBMS_read TO 'Supervisor'@'%'
| GRANT DBMS_write TO 'Supervisor'@'%'
| GRANT USAGE ON *.* TO 'Supervisor'@'%' IDENTIFIED BY PASSWORD '*222124FFC9ACDE
6A940B53D4626556537A00FB61' |
+-----+
3 rows in set (0.00 sec)

MariaDB [DBMS]> █
```

PENJELASAN :

- Pemilik retail adalah pemilik maka ia di bolehkan melakukan seluruh akses.
- Supervisor adalah manager maka ia di bolehkan melakukan akses write dan read yaitu insert, update, delete dan select untuk cek barang dan membetulkan kesalahan.
- Operator adalah kasir maka ia di bolehkan melakukan akses write yaitu insert, update, delete karena di gunakan untuk keperluan input barang saja.