

**DATABASE SYSTEM
PRACTICUM REPORT
MODULE 9
DCL**



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PRACTICE

```
XAMPP for Windows - mysql -u kurniawan -p
ERROR 1045 (28000): Access denied for user 'kurniawan'@'localhost' (using password: NO)

Asus@DESKTOP-FSUDND6 c:\xampp
# mysql -u kurniawan -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 58
Server version: 10.4.28-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
MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Heryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
| 11 | Supono | Jl.Ahmad Dahlan 56 |
| 12 | Suryani | Jl.Siti Walidah 31 |
| 13 | Endang Sri Suyamti | Jl.Soepomo 17 |
| 14 | Suwardi | Jl. Mangga 20 |
| 15 | Budiyati | Jl. Kenanga 30 |
| 16 | Sundari | Jl.Rambutan 17 |
| 17 | Diah Saptarini | Jl.Kenangan 5 |
| 18 | Murfiah | Jl.Melati 11 |
| 19 | Sukamto | Jl.Mawar 5 |
| 20 | Ida Dwi Hastuti | Jl.Bangau 24 |
+-----+-----+-----+
19 rows in set (0.001 sec)

MariaDB [perbankan]> S
19 rows in set (0.001 sec)

MariaDB [perbankan]> insert into nasabah values('31', 'susilo', 'sukoharjo');
ERROR 1142 (42000): INSERT command denied to user 'kurniawan'@'localhost' for table `perbankan`.`nasabah`
MariaDB [perbankan]>
```

```
XAMPP for Windows - mysql -u kurniawan -p
`perbankan`.`nasabah`
MariaDB [perbankan]> exit;
Bye

Asus@DESKTOP-FSUDND6 c:\xampp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
Server version: 10.4.28-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)]> revoke select on perbankan.nasabah from kurniawan;
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> exit;
Bye

Asus@DESKTOP-FSUDND6 c:\xampp
# mysql -u kurniawan -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 60
Server version: 10.4.28-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;
ERROR 1044 (42000): Access denied for user 'kurniawan'@ '%' to database 'perbankam'
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> select * from nasabah;
ERROR 1142 (42000): SELECT command denied to user 'kurniawan'@ 'localhost' for table
`perbankan`.`nasabah`
MariaDB [perbankan]>
```

TASK

```
1. MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> create user 'kurniawan' identified by '123';
Query OK, 0 rows affected (0.010 sec)
```

```

Asus@DESKTOP-FSUDND6 c:\xampp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 61
Server version: 10.4.28-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)]> GRANT INSERT, UPDATE, DELETE ON perbankan.nasabah TO 'kurkur';
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> GRANT SELECT ON perbankan.cabang_bank TO 'kurniawan';
Query OK, 0 rows affected (0.003 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

```

2. MariaDB [(none)]> _

```

MariaDB [perbankan]> select * from nasabah limit 5;
ERROR 1142 (42000): SELECT command denied to user 'kurniawan'@'localhost' for table
`perbankan`.`nasabah`
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
values
-> (21, "Jokow", "Jl. Solo 1");
ERROR 1142 (42000): INSERT command denied to user 'kurniawan'@'localhost' for table
`perbankan`.`nasabah`
MariaDB [perbankan]> insert into nasabah (id_nasabah, nama_nasabah, alamat_nasabah
-> values (21, "jokowi", "Jl. Solo 1");
ERROR 1142 (42000): INSERT command denied to user 'kurniawan'@'localhost' for table
`perbankan`.`nasabah`
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang
) values
-> ("BRUP", "Bank Rut Purwodadi", "Jl. Purwodadi 23");
ERROR 1142 (42000): INSERT command denied to user 'kurniawan'@'localhost' for table
`perbankan`.`cabang_bank`
MariaDB [perbankan]> _

```

3.

4. Based on my analysis, the point c command can still be executed even though it doesn't get a grant because it's not revoked, and vice versa. If it is not revoked, the command will still be accessible. Given what I understand is default=grant all.