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NIM : L200180003

# Praktikum

### Langkah 4 dan 5

```
MariaDB [(none)]> use mysql
Database changed
MariaDB [mysql]> create user 'myuser'@'localhost' identified by 'myuser';
Query OK, 0 rows affected (0.30 sec)
```

### Langkah 6 dan 7

```
MariaDB [mysql]> GRANT SELECT on perbankan.nasabah to myuser@localhost;
Query OK, 0 rows affected (0.16 sec)

MariaDB [mysql]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.15 sec)

MariaDB [mysql]> GRANT SELECT on perbankan.cabang_bank to myuser@localhost;
Query OK, 0 rows affected (0.05 sec)

MariaDB [mysql]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

MariaDB [mysql]> exit
Bye

C:\xampp\mysql\bin>
```

### Langkah 8, 9,10, dan 11

```
C:\xampp\mysql\bin>mysql -u myuser -p
Enter password: ******
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 5
Server version: 10.1.19-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, 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. Haryono 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 | Amin             | Jl. Bebek 12           |
|         12 | Amir             | Jl. Ayam 77            |
|         13 | Apip             | Jl. Bango 69           |
|         14 | Acil             | Jl. Mop 5              |
|         15 | Ajeng            | Jl. Gagang 3           |
|         16 | Ayu              | Jl. Sudiro 1           |
|         17 | Abang            | Jl. Murai 33           |
|         18 | Aisyah           | Jl. Meenco Raya 4      |
|         19 | Amar             | Jl. Kepodang 9         |
|         20 | Agus             | Jl. Kacer 45           |
+------------+------------------+------------------------+
19 rows in set (0.56 sec)

MariaDB [perbankan]> insert into nasabah (id_nasabah, nama_nasabah, alamat_nasabah) values (31,'Susilo','Sukoharjo');
ERROR 1142 (42000): INSERT command denied to user 'myuser'@'localhost' for table 'nasabah'
MariaDB [perbankan]>
```

Langkah 12

```
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 6
Server version: 10.1.19-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, 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 myuser@localhost;
Query OK, 0 rows affected (0.09 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.03 sec)

MariaDB [(none)]> exit;
Bye

C:\xampp\mysql\bin>
```

Langkah 13, 14, dan 15

```
C:\xampp\mysql\bin>mysql -u myuser -p
Enter password: ******
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 7
Server version: 10.1.19-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, 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;
ERROR 1142 (42000): SELECT command denied to user 'myuser'@'localhost' for table 'nasabah'
MariaDB [perbankan]>
```

# Tugas

## Nomor 1

```
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: 10.1.19-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create user 'SangAji'@'localhost' identified by 'SangAji';
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]>
```

## Nomor 2

```
MariaDB [(none)]> GRANT INSERT on perbankan.nasabah to SangAji@localhost;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> GRANT UPDATE on perbankan.nasabah to SangAji@localhost;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

MariaDB [(none)]> GRANT DELETE on perbankan.nasabah to SangAji@localhost;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

MariaDB [(none)]> GRANT SELECT on perbankan.cabang_bank to SangAji@localhost;
Query OK, 0 rows affected (0.03 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> exit
Bye

C:\xampp\mysql\bin>
```

## Nomor 3

```
C:\xampp\mysql\bin>mysql -u SangAji -p
Enter password: *******
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 10
Server version: 10.1.19-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, 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]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (69,"Om Ndu","Solo");
Query OK, 1 row affected (0.31 sec)

MariaDB [perbankan]> select * from nasabah;
ERROR 1142 (42000): SELECT command denied to user 'SangAji'@'localhost' for table 'nasabah'
MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values ("BRUC","Bank Rut Unit Califo
rnia","Jl. Reverse Mountain 1");
ERROR 1142 (42000): INSERT command denied to user 'SangAji'@'localhost' for table 'cabang_bank'
MariaDB [perbankan]>
```

Nomor 4

- Grant berfungsi untuk membuat user baru dan memberikan hak istimewa. Grant digunakan untuk memberikan privilege kepada tabel yang didefinisikan kepada pemakai lain. Pada contoh no 3, diberikan hak akses untuk melakukan perintah insert , update, dan delete pada tabel nasabah serta perintah select pada tabel cabang_bank. Jadi, apabila mengakses selain dari perintah yang telah diberikan hak akses, maka akan terjadi error.
- Revoke berfungsi untuk menghapus hak akses yang telah diatur dengan menggunakan perintah grant, digunakan perintah revoke.