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1. Membuat User

```
C:\Users\USER>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
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)]> CREATE USER 'fortyche'@'localhost' IDENTIFIED BY '12345'
-> ;
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> SELECT user, host FROM mysql.user;
+-----+-----+
| User      | Host      |
+-----+-----+
| root      | 127.0.0.1 |
| root      | ::1       |
| fortyche  | localhost |
| pma       | localhost |
| root      | localhost |
+-----+-----+
5 rows in set (0.048 sec)

MariaDB [(none)]> |
```

Seperti yang dilihat setelah kita cek di daftar user yang ada, user bernama fortyche yang telah dibuat telah tampil di daftar user

2. Memberikan 4 akses kepada user

```
MariaDB [(none)]> GRANT SELECT, CREATE, DELETE, INSERT ON *.* TO 'fortyche'@'localhost';
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> show grants for 'fortyche'@'localhost';
+-----+-----+
| Grants for fortyche@localhost |
+-----+-----+
| GRANT SELECT, INSERT, DELETE, CREATE ON *.* TO 'fortyche'@'localhost' IDENTIFIED BY PASSWORD '*00A51F3F48415C7D4E8908980D443C29C69B60C9' |
+-----+-----+
1 row in set (0.000 sec)
```

Setelah kita menjalankan perintah grant dapat dilihat di daftar privilege telah tertera privilege insert, select, delete, create pada user fortyche yang mana artinya memberikan akses ke 4 privileges tadi kepada user fortyche

```
C:\Users\USER>mysql -u 'fortyche' -p
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 145
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.
```

Pertama kita login sebagai user fortyche terlebih dahulu

a. Create

```
MariaDB [museum_baru]> CREATE TABLE karya (
-> karya_id INT AUTO_INCREMENT PRIMARY KEY,
-> judul varchar(80),
-> jenis varchar(50),
-> pencipta varchar(50)
-> );
Query OK, 0 rows affected (0.009 sec)

MariaDB [museum_baru]> select * from karya
-> ;
Empty set (0.001 sec)

MariaDB [museum_baru]> show tables;
+-----+
| Tables_in_museum_baru |
+-----+
| collection_items      |
| item_locations        |
| karya                  |
| museum                |
| stories                |
| story_segments        |
+-----+
6 rows in set (0.001 sec)

MariaDB [museum_baru]> desc karya;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| karya_id | int(11) | NO | PRI | NULL | auto_increment |
| judul | varchar(80) | YES | | NULL | |
| jenis | varchar(50) | YES | | NULL | |
| pencipta | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.011 sec)

MariaDB [museum_baru]>
```

Setelah itu kita menggunakan database museum_baru dan membuat sebuah table karya di dalam nya yang bisa dilihat sudah berhasil

b. Insert dan select

```
MariaDB [museum_baru]> INSERT INTO karya (judul, jenis, pencipta) VALUES
-> ('Monalisa, lukisan, Leonardo da Vinci'),
-> ('The Thinker, patung, Auguste Rodin'),
-> ('The Starry Night, lukisan, Vincent van Gogh');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'da Vinci), (The Thinker, patung, Auguste Rodin), (The Starry Night, lukisan, ...' at line 2
MariaDB [museum_baru]> INSERT INTO karya (judul, jenis, pencipta) VALUES
-> ('Monalisa', 'lukisan', 'Leonardo da Vinci'),
-> ('The Thinker', 'patung', 'Auguste Rodin'),
-> ('The Starry Night', 'lukisan', 'Vincent van Gogh');
Query OK, 3 rows affected (0.004 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [museum_baru]> select * from karya
-> ;
+-----+-----+-----+-----+
| karya_id | judul          | jenis | pencipta |
+-----+-----+-----+-----+
| 1 | Monalisa      | lukisan | Leonardo da Vinci |
| 2 | The Thinker   | patung  | Auguste Rodin |
| 3 | The Starry Night | lukisan | Vincent van Gogh |
+-----+-----+-----+-----+
3 rows in set (0.000 sec)
```

Selanjutnya kita memasukan beberapa entry data ke dalam tabel karya tadi dan kita menampilkan nya dengan perintah select untuk menampilkan data datanya

c. Delete

```
MariaDB [museum_baru]> select * from karya
->
+-----+-----+-----+-----+
| karya_id | judul      | jenis | pencipta |
+-----+-----+-----+-----+
| 1 | Monalisa   | lukisan | Leonardo da Vinci |
| 2 | The Thinker | patung  | Auguste Rodin    |
| 3 | The Starry Night | lukisan | Vincent van Gogh  |
+-----+-----+-----+-----+
3 rows in set (0.000 sec)

MariaDB [museum_baru]> DELETE FROM karya WHERE karya_id=3;
Query OK, 1 row affected (0.002 sec)

MariaDB [museum_baru]> select * from karya;
+-----+-----+-----+-----+
| karya_id | judul      | jenis | pencipta |
+-----+-----+-----+-----+
| 1 | Monalisa   | lukisan | Leonardo da Vinci |
| 2 | The Thinker | patung  | Auguste Rodin    |
+-----+-----+-----+-----+
2 rows in set (0.000 sec)

MariaDB [museum_baru]> |
```

Selanjutnya kita menghapus salah satu entry data yang ada di tabel karya tadi

3. Revoke dua privileges dari user

```
MariaDB [(none)]> revoke INSERT, DELETE on *.* from 'fortyche'@'localhost';
Query OK, 0 rows affected (0.007 sec)

MariaDB [(none)]> show grants for 'fortyche'@'localhost';
+-----+-----+-----+-----+
| Grants for fortyche@localhost |
+-----+-----+-----+-----+
| GRANT SELECT, CREATE ON *.* TO 'fortyche'@'localhost' IDENTIFIED BY PASSWORD '*00A51F3F48415C7D4E8908980D443C29C69B60C9' |
+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

```
MariaDB [museum_baru]> select * from karya;
+-----+-----+-----+-----+
| karya_id | judul      | jenis | pencipta |
+-----+-----+-----+-----+
| 1 | Monalisa   | lukisan | Leonardo da Vinci |
| 2 | The Thinker | patung  | Auguste Rodin    |
+-----+-----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [museum_baru]> delete from karya where museum_id=1;
ERROR 1142 (42000): DELETE command denied to user 'fortyche'@'localhost' for table 'museum_baru'. 'karya'
MariaDB [museum_baru]> |
```

Pada akhirnya kita me revoke atau menarik kembali beberapa akses dari user fortyche disini saya menarik kembali privileges insert dan delete dari user fotyche yang dibuktikan dengan ketika kita mencoba menghapus entri keluar pesan ditolak.

4. Drop user

```
MariaDB [(none)]> drop user 'fortyche'@'localhost';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> SELECT user, host FROM mysql.user;
+-----+-----+
| User | Host |
+-----+-----+
| root | 127.0.0.1 |
| root | ::1 |
| pma | localhost |
| root | localhost |
+-----+-----+
4 rows in set (0.002 sec)

MariaDB [(none)]> |
```

Terakhir kita menghapus user dengan menjalankan perintah drop yang dibuktikan dengan tidak ada lagi user fortyche.