Nama : Nur Fitria Melani
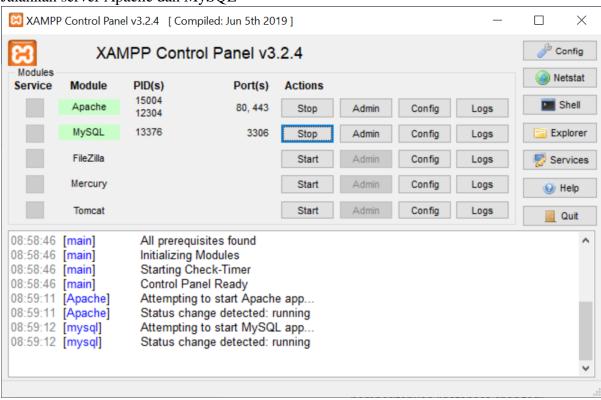**NIM   : L200180012**
Kelas : A

PRAKTIKUM SISTEM BASIS DATA

MODUL 9.
DATA CONTROL LANGUAGE

LATIHAN

1. Jalankan XAMPP Control Panel
2. Jalankan server Apache dan MySQL

3. Buka Command Prompt dan login sebagai root ke MySQL

4. Pilih database perbankan dengan perintah "use mysql;". Sehingga akan muncul pemberitahuan "database changed"

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

5. Masukkan user baru ke tabel user dengan sintaks :
create user "myuser"@"localhost" identified by "myuser";

```
MariaDB [mysql]> create user "myuser"@"localhost" identified by "myuser";
Query OK, 0 rows affected (0.037 sec)
```

6. Berikan hak akses kepada user "myuser" dengan sintaks:
GRANT SELECT on perbankan.nasabah to myuser@localhost;
FLUSH PRIVILEGES;
GRANT SELECT on perbankan.cabang_bank to myuser@localhost;
FLUSH PRIVILEGES;

```
MariaDB [mysql]> GRANT SELECT on perbankan.nasabah to myuser@localhost;
Query OK, 0 rows affected (0.009 sec)

MariaDB [mysql]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.009 sec)

MariaDB [mysql]> GRANT SELECT on perbankan.cabang_bank to myuser@localhost;
Query OK, 0 rows affected (0.003 sec)

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

7. Keluar sebagai user root dengan sintaks "exit;"

```
MariaDB [mysql]> exit;
Bye
```

8. Login lagi sebagai "myuser" dengan sintaks: mysql -u myuser -p

```
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 11
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.
```

9. Mengubah database yang digunakan ke database perbankan dengan sintaks: use perbankan;

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

10. Melakukan select pada tabel nasabah dengan sintaks:

select *from nasabah;

```
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 | Kim               | Jl. Anggrek 10          |
|         12 | Dodo              | Jl. Melati 17           |
|         13 | Dimas             | Jl. Tulip 73            |
|         14 | Caca Marica       | Jl. Mawar 26            |
|         15 | Amelia            | Jl. Mangga 67           |
|         16 | Echa              | Jl. Terumbu Karang 29   |
|         17 | Melani            | Jl. Mintchoco 12        |
|         18 | Lani              | Jl. Angkasa 44          |
|         19 | Fitria            | Jl. Melodi 8            |
|         20 | Hana              | Jl. Sunflower 71        |
+------------+-------------------+-------------------------+
19 rows in set (0.045 sec)
```

Melakukan insert pada tabel nasabah dengan sintaks:

INSERT INTO nasabah VALUES('31','Susilo','Sukoharjo');

```
MariaDB [perbankan]> INSERT INTO nasabah VALUES('31','Susilo','Sukoharjo');
ERROR 1142 (42000): INSERT command denied to user 'myuser'@'localhost' for table 'nasabah'
```

11. Kemudian ketikan perintah "exit" . Kemudian login lagi 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 12
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. Menghilangkan salah satu privilege untuk user myuser dengan sintaks:

```
MariaDB [(none)]> REVOKE SELECT on perbankan.nasabah from myuser@localhost;
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.004 sec)
```

13. Kemudian exit dan kembali login sebagai user "myuser"

```
MariaDB [(none)]> exit
Bye
```

```
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 13
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.
```

14. Menggunakan database perbankan dengan sintaks "use perbankan;"

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

15. Menggunakan perintah SELECT pada tabel nasabah

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