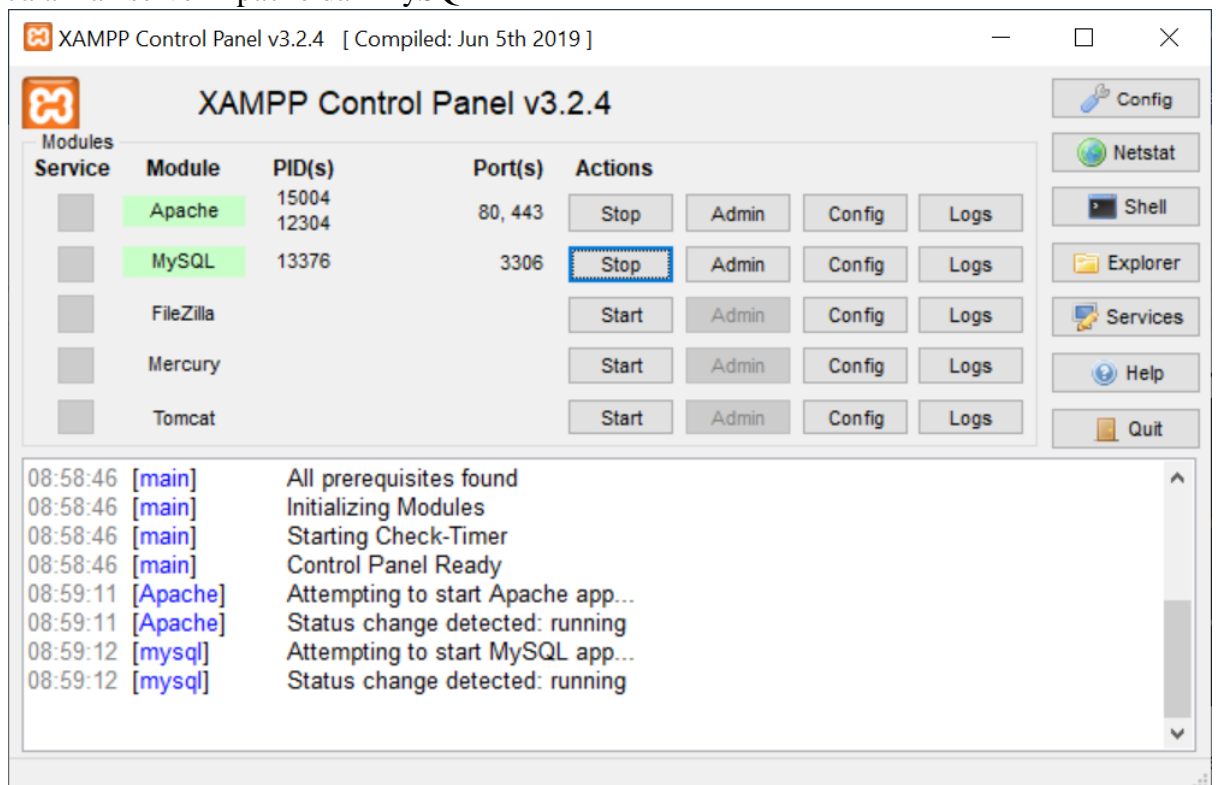


MODUL 9. DATA CONTROL LANGUAGE

LATIHAN

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



3. Buka Command Prompt dan login sebagai root ke MySQL

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

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 9
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.
```

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 ketikkan 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]>
```