

Nama : Ismi Dzikrina

NIM : L200180010

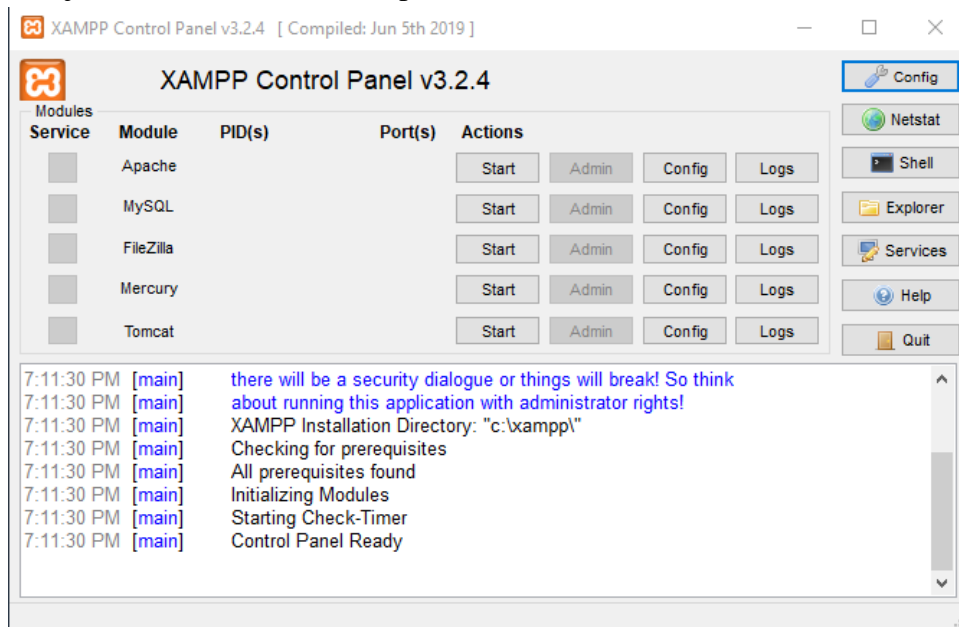
Kelas : A

Matkul : Praktikum Sistem Basis Data

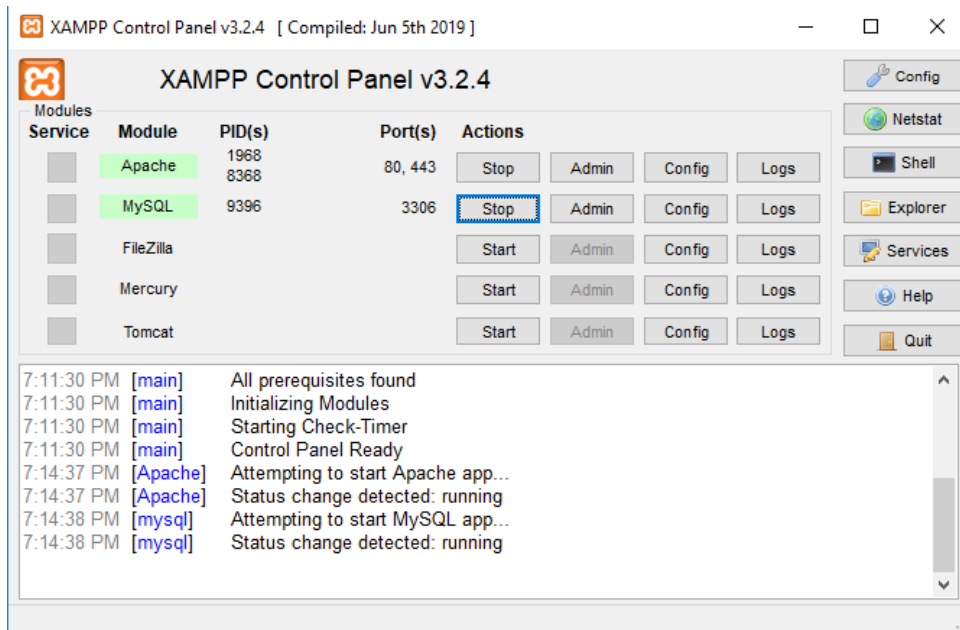
## LATIHAN MODUL 9

### DATA CONTROL LANGUAGE

1. Menjalankan XAMPP control panel.



2. Menjalankan server apache dan mysql



3. Membuka command prompt dan login sebagai root ke mysql

```

Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\lenovo>cd\

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 8
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. Memilih database perbankan dengan perintah “use mysql” sehingga muncul pemberitahuan “database changed”

```

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

5. Memasukkan user baru

```

MariaDB [mysql]> create user 'myuser'@'localhost' identified by 'myuser';
Query OK, 0 rows affected (0.058 sec)
  
```

6. Memberikan hak akses kepada user ‘myuser’

```

MariaDB [mysql]> create user 'myuser'@'localhost' identified by 'myuser';
Query OK, 0 rows affected (0.053 sec)

MariaDB [mysql]> grant select on perbankan.nasabah to myuser@localhost;
Query OK, 0 rows affected (0.054 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.001 sec)

MariaDB [mysql]> grant select on perbankan.cabang_bank to myuser@localhost;
Query OK, 0 rows affected (0.023 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.001 sec)

```

7. Keluar sebagai user root dengan sintax “exit;”.

```

MariaDB [mysql]> exit;
Bye

```

8. Login lagi sebagai “myuser”.

```

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 65
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.

MariaDB [(none)]>

```

9. Ubah database yang digunakan ke database perbankan.

```

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

```

10. Melakukan select pada tabel 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 1 |
| 5 | budi eko prayogo | Jl. kantil 30 |
| 6 | satria eka jaya | Jl. slamet riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | sari murti | Jl. pangandaran 11 |
| 9 | canka lokananta | Jl. tidar 86 |
| 10 | budi murtono | Jl. merak 22 |
| 11 | santi indah | Jl. Permai 15 |
| 12 | Safiqah | Jl. Kemasan jaya |
| 13 | Abdurrozaq | Jl. Camden 71 |
| 14 | Khoirus Fauzi | Jl. Kenanga 14A |
| 15 | Andra | Jl. Mawar 41B |
| 16 | Mukhlis | Jl.Sananwetan 12B |
| 17 | Zahira | Jl. Sakti 12D |
| 18 | Alifah | Jl. Joho 45 |
| 19 | Nalita | Jl. Cakra tengah 8 |
| 20 | Desta | Jl. Sidan 46 |
+-----+-----+-----+
20 rows in set (0.000 sec)

```

Melakukan insert pada tabel nasabah

```

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

```

Hasilnya error karena belum memberi hak akses insert pada table nasabah, yang diberi akses hanya select sesuai dengan kode diatas yaitu 'grant select on perbankan.nasabah to myuser'.

11. Perintah keluar

```

MariaDB [perbankan]> exit
Bye

```

12. Menghilangkan salah satu privileges untuk myuser.

```

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 108
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.

MariaDB [(none)]> revoke select on perbankan.nasabah from myuser@localhost;
Query OK, 0 rows affected (0.054 sec)

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

```

13. Keluar dan 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 109
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

```

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'

```

Hasilnya error karena hak akses select pada table nasabah telah dihapus dengan perintah ‘revoke select’ diatas.