

Nama : Faizal Wahyu N

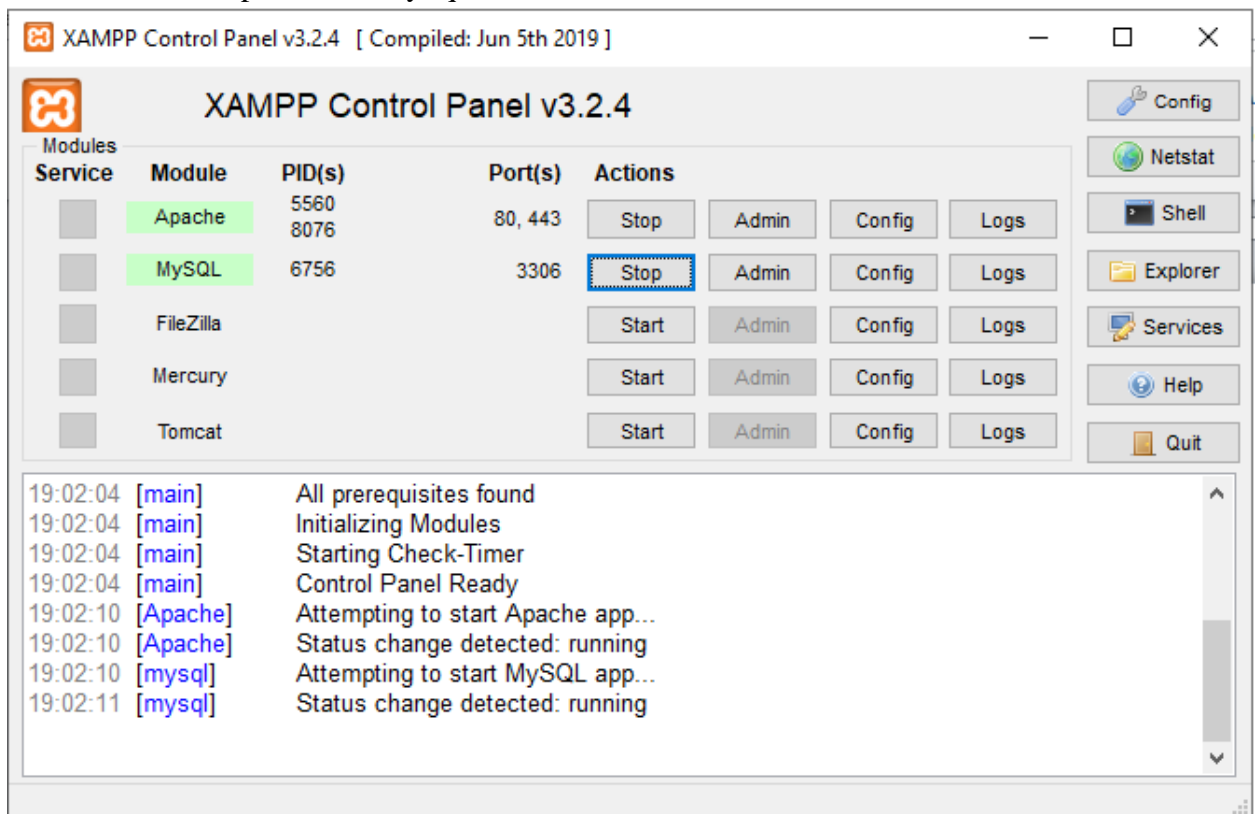
NIM : L200180011

Kelas : A

## Praktikum Sistem Basis data Modul 9

### Latihan/Langkah Praktikum

1. Jalankan Xampp Control Panel
2. Jalankan Server Apache dan MySql



3. Buka Command Prompt dan Login sebagai root ke MySQL seperti di langkah Modul 1

```
D:\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.

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

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

```
MariaDB [mysql]> CREATE USER "FaizalW"@"localhost" IDENTIFIED BY "faizal747";  
Query OK, 0 rows affected (0.401 sec)
```

6. Berikan Hak Akses kepada user 'FaizalW'

```
MariaDB [mysql]> GRANT SELECT ON perbankan.nasabah to FaizalW;  
Query OK, 0 rows affected (0.305 sec)  
  
MariaDB [mysql]> FLUSH PRIVELEGES;  
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 'PRIVELEGES' at line 1  
MariaDB [mysql]> FLUSH PRIVILEGES;  
Query OK, 0 rows affected (0.001 sec)  
  
MariaDB [mysql]> GRANT SELECT ON perbankan.cabang_bank to FaizalW;  
Query OK, 0 rows affected (0.604 sec)  
  
MariaDB [mysql]> FLUSH PRIVILEGES;  
Query OK, 0 rows affected (0.001 sec)
```

7. Keluar sebagai user root dengan syntax 'exit'

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

8. Login lagi sebagai 'FaizalW'

```
D:\xampp\mysql\bin>mysql -u FaizalW -p  
Enter password: *****  
Welcome to the MariaDB monitor.  Commands end with ; or \g.  
Your MariaDB connection id is 10  
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  
MariaDB [perbankan]>
```

10. Coba lakukan select pada tabel nasabah dengan sintaks sebagai berikut :  
SELCT\*FROM nasabah; Selanjutnya coba lakukan insert pada tabel nasabah dengan

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

```
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 | Pasha | Wonogiri |
| 12 | Dila | Wonogiri |
| 13 | Retno | Wonogiri |
| 14 | Chaterina | Wonogiri |
| 15 | Siti | Wonogiri |
| 16 | Srinatun | Wonogiri |
| 17 | Hanifah | Solo |
| 18 | Damar | Solo |
| 19 | Rohana | Solo |
| 20 | Saidah | Solo |
+-----+-----+-----+
19 rows in set (0.219 sec)

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

11. Kemudian ketikkan perintah 'exit', kemudian login lagi sebagai root.

```
MariaDB [perbankan]> exit
Bye

D:\xampp\mysql\bin>mysql -u FaizalW -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.

MariaDB [(none)]>
```

12. Kemudian hilangkan salah satu privilege untuk user myuser. REVOKE SELECT on perbankan.nasabah FROM myuser; FLUSH PRIVILEGES;

```
MariaDB [(none)]> REVOKE SELECT on perbankan.nasabah FROM FaizalW;
ERROR 1142 (42000): GRANT command denied to user 'FaizalW'@'localhost' for table 'nasabah'
MariaDB [(none)]> REVOKE SELECT on perbankan.nasabah from FaizalW;
ERROR 1142 (42000): GRANT command denied to user 'FaizalW'@'localhost' for table 'nasabah'
MariaDB [(none)]> FLUSH PRIVILEGE;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server versi
on for the right syntax to use near 'PRIVILEGE' at line 1
MariaDB [(none)]>
```

13. Kemudian exit dan kembali login sebagai user 'FaizalW'.

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

D:\xampp\mysql\bin>mysql -u FaizalW -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.
```

14. Gunakan database perbankan dengan sintaks 'use perbankan'

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

15. Selanjutnya silahkan dicoba untuk menggunakan perintah SELECT pada tabel nasabah

```
MariaDB [perbankan]> SELECT * FROM nasabah;
```

## TUGAS

1. Buat user baru sesuai dengan nama anda masing-masing

```
MariaDB [mysql]> CREATE USER "FaizalW"@"localhost" IDENTIFIED BY "faizal747";
Query OK, 0 rows affected (0.401 sec)
```

2. a. Dapat melakukan INSERT, UPDATE, dan DELETE pada tabel nasabah

```
MariaDB [(none)]> use mysql;
Database changed
MariaDB [mysql]> GRANT INSERT ON perbankan.nasabah to root;
Query OK, 0 rows affected (0.092 sec)

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

MariaDB [mysql]> GRANT UPDATE ON perbankan.nasabah to root;
Query OK, 0 rows affected (0.058 sec)

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

MariaDB [mysql]> GRANT DELETE ON perbankan.nasabah to root;
Query OK, 0 rows affected (0.070 sec)

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

MariaDB [mysql]>
```

b. Hanya dapat melakukan SELECT pada tabel cabang\_bank.

```
MariaDB [mysql]> GRANT SELECT ON perbankan.cabang_bank to root;
Query OK, 0 rows affected (0.096 sec)

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

MariaDB [mysql]>
```

3. Coba lakukan kasus berikut ini dengan login sebagai user yang dibuat dan screenshot hasilnya.

Login user :

```
D:\xampp\mysql\bin>mysql -u FaizalW -p
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 16
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)]> use perbankan;
Database changed
MariaDB [perbankan]>
```

a. Lakukan perintah 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 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	Pasha	Wonogiri
12	Dila	Wonogiri
13	Retno	Wonogiri
14	Chaterina	Wonogiri
15	Siti	Wonogiri
16	Srinatun	Wonogiri
17	Hanifah	Solo
18	Damar	Solo
19	Rohana	Solo
20	Saidah	Solo

```
19 rows in set (0.000 sec)

MariaDB [perbankan]>
```

Berhasil, dikarenakan user FaizalW diberi akses untuk melakukan insert pada tabel nasabah.

b. Lakukan perintah INSERT pada tabel nasabah.

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

Terjadi error dikarenakan user FaizalW tidak diberikan akses untuk melakukan select pada tabel nasabah.

c. Lakukan perintah SELECT pada tabel cabang\_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank VALUES ('BRUB', 'Bank Rut Unit Boyolali', 'Jl.Ahmad Yani 45');  
ERROR 1142 (42000): INSERT command denied to user 'FaizalW'@'localhost' for table 'cabang_bank'  
MariaDB [perbankan]>
```

Terjadi error dikarenakan user FaizalW tidak diberikan akses untuk melakukan select pada tabel nasabah