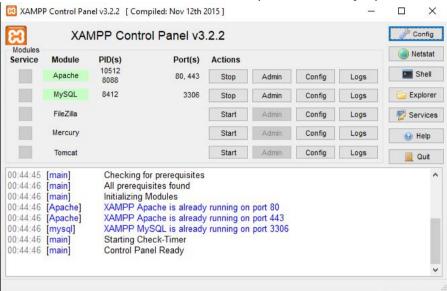
Nama : Angga Pratama NIM : L200180109

Kelas: D

## Modul 5

### Latihan

1. Buka XAMPP, lalu aktifkan server apache dan mysql,



2. setelah itu masuk ke cmd dan login sebagai root ke mysql

```
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Convy_22nd>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 2

Server version: 10.1.34-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.
```

3. tampilkan table database, lalu pilih/ masuk ke databse perbankan

4. kemudian masukan data yang diperintahkan

insert table nasabah

```
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(1,'Sutopo','Jl. Jendral Sudirman 12');
Query OK, 1 row affected (0.21 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(2,'Maryati','Jl. MT.Maryono 31');
Query OK, 1 row affected (0.13 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(3,'Suparman','Jl. Hasanudin 81');
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(4,'Kartika Padmasari','Jl. Manggis 15');
Query OK, 1 row affected (0.13 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(5,'Budi Eko Prayogo','Jl. Kantil 30');
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(6,'Satria Eka Jaya','Jl. Slamet Riyadi 45');
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(7,'Indri Hapsari','Jl. Sutoyo 5');
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(8,'Sari Murti','Jl. Pangandaran 11');
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(9,'Canka Loknanta','Jl. Tidar 86');
Query OK, 1 row affected (0.16 sec)
```

insert table cabang\_bank

```
AgriaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUS','Bank Rut Unit Surakarta','Jl. Slamet Riyadi 18');
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUM','Bank Rut Unit Magelang','Jl. P.Tendean 63');
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUB','Bank Rut Unit Boyolali','Jl. Ahmad Yani 45');
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUK','Bank Rut Unit Klaten','Jl. Suparman 23');
Query OK, 1 row affected (0.11 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUV','Bank Rut Unit Yogyakarta','Jl. Anggrek 21');
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUM','Bank Rut Unit Wonogiri','Jl. Untung Suropati 12');
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUM','Bank Rut Unit Wonogiri','Jl. Untung Suropati 12');
Query OK, 1 row affected (0.06 sec)
```

## insert table rekening

### insert table nasabah\_has\_rekening

```
Command Prompt - mysql - uroot p
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(2,103);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(3,105);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(4,106);
Query OK, 1 row affected (0.19 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(3,106);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(4,101);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(4,107);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(5,102);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(5,107);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(5,109);
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(7,109);
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(9,110);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(9,110);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(10,113);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(10,113);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFk,no_rekeningFK)values(10,112);
Query OK, 1 row affected (0.15 sec)
```

### insert table transaksi

- 5. Lakukan update untuk kasus berikut
  - Nasabah dengan nama "Indri Hapsari " pindah alamat ke "Jalan Slamet Riyadi No.34"
    - √ Sebelum

√ sesudah

```
MariaDB [perbankan] vupdate nasabah set alamat_nasabah='Jl. Slamet Riyadi 34' where nama_nasabah='Indri Hapsari';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0

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 34 |
| 7 | Indri Hapsari | Jl. Slamet Riyadi 34 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Loknanta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |

MariaDB [perbankan] > ____
```

♦ Cabang dengan kode "BRUW" pindah ke alamat "Jalan A. Yani No.23"

### √ Sebelum

#### √ sesudah

- 6. Lakukan penghapusan untuk kasus berikut
  - Nasabah dengan id "7" menutup rekeningnya
    - √ Sebelum

```
MariaDB [perbankan]> update nasabah set alamat_nasabah='Jl. Slamet Riyadi 34' where nama_nasabah='Indri Hapsari';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0

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 |
7 | Indri Hapsari | Jl. Slamet Riyadi 34 |
8 | Sari Murti | Jl. Pangandaran 11 |
9 | Canka Loknanta | Jl. Tidar 86 |
10 | Budi Murtono | Jl. Merak 22 |

MariaDB [perbankan]> ____
```

### √ sesudah

Cabang dengan nama\_cabang "Bank Rut Unit Magelang" menutup Kantornya
 V Sebelum

### √ sesudah

### **Tugas**

1. Record tabel nasabah

# 2. Record tabel cabang\_bank

### 3. Record tabel rekening

```
MariaDB [perbankan]> select * from rekening;
 no_rekening | kode_cabang | pin
                                      saldo
          101
                BRUS
                                          500000
                               1111
          102
                               2222
                                          350000
                                          750000
          104
                BRUM
                               4444
                                         900000
                                         2000000
          106
                                         3000000
                                        1000000
                               7777
          108
                                         5000000
                BRUB
                               9999
          110
                               1234
                                         550000
          111
                               4321
                                         150000
          112
                               123
                                         300000
          113
                               8888
                                         255000
          114
                               2345
                                         1000000
          115
                                         2000000
          116
                                         3000000
          117
                               5678
                                        4000000
          118
                                        5000000
                BRUG
                               6789
          119
                               7890
                                        6000000
          120
                BRUY
                               1357
                                         7000000
          121
                               2468
                                        8000000
          122
                               1290
                                        9000000
          123
                BRUH
                               1290
                                       10000000
23 rows in set (0.00 sec)
```

4. Record tabel nasabah has rekening

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values
-> (11,114),
-> (12,115),
-> (13,116),
-> (14,117),
-> (15,118),
-> (16,119),
-> (17,120),
-> (18,121),
-> (19,122),
-> (20,123);

Query OK, 10 rows affected (0.09 sec)

Records: 10 Duplicates: 0 Warnings: 0
```

### 5. Record transaksi

_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
	   3	105	+   debit	2019-11-10 00:00:00	50000
		103	debit	2019-11-10 00:00:00	40000
		101	kredit	2019-11-12 00:00:00	20000
		106	debit	2019-11-13 00:00:00	30000
		107	kredit	2019-11-13 00:00:00	
		104	kredit	2019-11-15 00:00:00	
		110	kredit	2019-11-15 00:00:00	150000
		102	debit	2019-11-16 00:00:00	20000
		105	kredit	2019-11-18 00:00:00	
10		107	debit	2019-11-19 00:00:00	100000
11			debit	2019-11-19 00:00:00	100000
12		104	debit	2019-11-19 00:00:00	50000
13		107	kredit	2019-11-20 00:00:00	200000
14		105	debit	2019-11-21 00:00:00	40000
15		104	kredit	2019-11-22 00:00:00	100000
16		101	kredit	2019-11-22 00:00:00	
17		103	debit	2019-11-22 00:00:00	
18		102	debit	2019-11-25 00:00:00	50000
19		108	debit	2019-11-26 00:00:00	100000
		106	kredit	2019-11-27 00:00:00	50000
21		103	kredit	2019-11-28 00:00:00	200000
22		105	kredit	2019-11-28 00:00:00	100000
23		102	debit	2019-11-30 00:00:00	20000
24		104	debit	2019-12-01 00:00:00	50000
25		103	debit	2019-12-02 00:00:00	40000
26		101	debit	2019-12-04 00:00:00	50000
27		103	kredit	2019-12-05 00:00:00	100000
28		102	kredit	2019-12-05 00:00:00	200000
29		109	debit	2019-12-05 00:00:00	100000
30		110	debit	2019-12-06 00:00:00	20000
31	11	114	debit	2020-01-11 00:00:00	100000
32	11	114	kredit	2020-01-11 00:00:00	50000
33	12	115	debit	2020-01-22 00:00:00	200000
34	12	115	kredit	2020-01-24 00:00:00	50000
	13	116	debit	2020-01-26 00:00:00	300000
36	13	116	kredit	2020-01-28 00:00:00	50000
37	14	117	debit	2020-02-01 00:00:00	400000
	14	117	kredit	2020-02-03 00:00:00	50000
	15	118	debit	2020-02-05 00:00:00	500000
	15	118	kredit	2020-02-07 00:00:00	50000
41	16	119	debit	2020-02-09 00:00:00	600000
42	16	119	kredit	2020-02-11 00:00:00	50000
43	17	120	debit	2020-02-13 00:00:00	700000
44	17	120	kredit	2020-02-15 00:00:00	50000
	18	121	debit	2020-02-17 00:00:00	800000
46	18	121	kredit	2020-02-19 00:00:00	50000
47	19	122	debit	2020-03-05 00:00:00	900000
48	19	122	kredit	2020-03-25 00:00:00	50000
49 50	20	123 123	debit   kredit	2020-03-09 00:00:00	1000000 500000