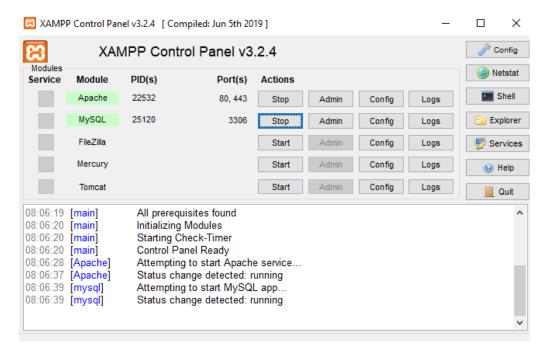
Nama : Akbar M NIM : L200180218

Kelas : H

Modul 5

Jalankan XAMPP Control Panel.

1. Jalankan server Apache dan MySQL.



2. Buka command Promp dan login sebagai root ke MySQL seperti langkah pada Modul 1.

- 3. Pilih database perbankan dengan perintah 'use perbankan'. sehingga akan muncul pemberitahuan 'database changed'.
- 4. Kemudian masukkan data-data berikut ini kedalam database perbankan.
 - a) Tabel: nasabah

```
| Examinate | Command Prompt-mysql-uroot-p | Xendabs | Xendabs
```

b) Tabel: cabang_bank

c) Tabel: rekening

d) Tabel: nasabah_has_rekening

e) Tabel: transaksi

5. Lakukan update untuk kasus-kasus berikut ini:

a) Nasabah dengan nama 'Indri Hapsari' pindah alamat ke 'Jl.Slamet Riyadi 34'.

```
MariaDB [perbankan]> select * from nasabah;

| id_nasabah | nama_nasabah | alamat_nasabah |
| 1 | Sutopo | 31.Jendral Sudirman 12 |
| 2 | Maryati | 31.MT.Haryono 31 |
| 3 | Suparman | 31.Hasanudin 81 |
| 4 | Kartika Padmasari | 31.Manggis 15 |
| 5 | Budi Eko Prayogo | 31.Kantil 30 |
| 6 | Satria Eka Jaya | 31.Slamet Riyadi 45 |
| 7 | Indri Hapsari | 31.Pangandaran 11 |
| 9 | Canka Lokananta | 31.Tidar 86 |
| 10 | Budi Martono | 31.Merak 22 |
| 10 rows in set (0.028 sec) |
| MariaDB [perbankan]> update nasabah set alamat_nasabah - 'Jl.Slamet Riyadi 34' |
| -> where nama_nasabah - 'Indri Hapsari'; |
| Query OK, 1 row affected (0.229 sec) |
| MariaDB [perbankan]> select * from nasabah; |
| id_nasabah | nama_nasabah | alamat_nasabah |
| id_nasabah | nama_nasabah | alamat_nasabah |
| 4 | Kartika Padmasari | 31.Mn.Haryono 31 |
| 3 | Suparman | 31.Hasanudin 81 |
| 4 | Kartika Padmasari | 31.Manggis 15 |
| 5 | Budi Eko Prayogo | 31.Kantil 30 |
| 6 | Satria Eka Jaya | 31.Slamet Riyadi 45 |
| 7 | Indri Hapsari | 31.Slamet Riyadi 45 |
| 8 | Sari Murti | 31.Pangandaran 11 |
| 9 | Canka Lokananta | 31.Tidar 86 |
| 10 | Budi Martono | Jl.Merak 22 |
```

b) Cabang dengan kota 'BRUW' pindah ke alamat 'Jl.A.Yani 23'.

```
kode_cabang | nama_cabang
                                                                                                 alamat_cabang
                                  Bank Rut Unit Boyolali
Bank Rut Unit Klaten
Bank Rut Unit Magelang
Bank Rut Unit Surakarta
Bank Rut Unit Wonogiri
Bank Rut Unit Yogyakarta
                                                                                                 Jl.Ahmad Yani 45
   BRUB
                                                                                              Jl.Anmad Yani 45
Jl.Suparman 3
Jl.P.Tendean 63
Jl.Slamet Riyadi 18
Jl.Untung Suropati 12
Jl.Anggrek 21
   BRUS
   BRUW
BRUY
MariaDB [perbankan]> update cabang_bank set alamat_cabang = 'Jl.A.Yani 23'
-> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.229 sec)
Rows matched: 1 Changed: 1 Warnings: 0
 MariaDB [perbankan]> select * from cabang bank;
   kode_cabang | nama_cabang
                                                                                            alamat_cabang
                                  Bank Rut Unit Boyolali
Bank Rut Unit Klaten
Bank Rut Unit Magelang
Bank Rut Unit Surakarta
Bank Rut Unit Wonogiri
                                                                                            | Jl.Ahmad Yani 45
| Jl.Suparman 3
| Jl.P.Tendean 63
| Jl.Slamet Riyadi 18
| Jl.A.Yani 23
   BRUB
BRUK
    rows in set (0.000 sec)
```

6. Lakukan penghapusan untu kasus-kasus berikut.

a) Nasabah dengan id '7' menutup rekeningnya

```
MariaDB [perbankan]> select * from nasabah;

id_nasabah | nama_nasabah | alamat_nasabah |

1 | Sutopo | 31.Jendral Sudirman 12 |
2 | Maryati | 31.MT.Haryono 31 |
3 | Suparman | 31.Hasanudin 81 |
4 | Kartika Padmasari | 31.Manggis 15 |
5 | Budi Eko Prayogo | 31.Kantil 30 |
6 | Satria Eka Jaya | 31.Slamet Riyadi 45 |
7 | Indri Hapsari | 31.Slamet Riyadi 34 |
8 | Sari Murti | 31.Pangandaran 11 |
9 | Canka Lokananta | 31.Tidar 86 |
10 | Budi Martono | 31.Merak 22 |

10 rows in set (0.001 sec)

MariaDB [perbankan]> delete from nasabah |
-> where id_nasabah = 7;
Query OK, 1 row affected (0.196 sec)

MariaDB [perbankan]> select * from nasabah;

id_nasabah | nama_nasabah | alamat_nasabah |
1 | Sutopo | 31.Jendral Sudirman 12 |
2 | Maryati | 31.MT.Haryono 31 |
3 | Suparman | 31.Hasanudin 81 |
4 | Kartika Padmasari | 31.Manggis 15 |
5 | Budi Eko Prayogo | 31.Kantil 30 |
6 | Satria Eka Jaya | 31.Slamet Riyadi 45 |
8 | Sari Murti | 31.Pangandaran 11 |
9 | Canka Lokananta | 31.Tidar 86 |
10 | Budi Martono | 31.Merak 22 |
9 rows in set (0.000 sec)
```

b) Cabang dengan nama_cabang 'Bank Rut Unit Magelang' menutup kantornya

```
ariaDB [perbankan]> select * from cabang_bank;
  kode_cabang | nama_cabang
                                                                                 alamat_cabang
                            Bank Rut Unit Boyolali
Bank Rut Unit Klaten
Bank Rut Unit Magelang
Bank Rut Unit Surakarta
Bank Rut Unit Wonogiri
                                                                                | Jl.Ahmad Yani 45
| Jl.Suparman 3
| Jl.P.Tendean 63
| Jl.Slamet Riyadi 18
| Jl.A.Yani 23
| Jl.Anggrek 21
  BRUM
  BRUV
                             Bank Rut Unit Yogyakarta
  rows in set (0.000 sec)
MariaDB [perbankan]> delete from cabang_bank
-> where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.187 sec)
MariaDB [perbankan]> select * from cabang_bank;
 kode_cabang | nama_cabang
                                                                                | alamat_cabang
                          Bank Rut Unit Boyolali | Jl.Ahmad Yani 45
| Bank Rut Unit Klaten | Jl.Suparman 3
| Bank Rut Unit Surakarta | Jl.Slamet Riyadi 18
| Bank Rut Unit Wonogiri | Jl.A.Yani 23
| Bank Rut Unit Yogyakarta | Jl.Anggrek 21
 BRUB
BRUK
  BRUS
  rows in set (0.000 sec)
```

Tugas

Masukkan beberapa record ke setiap tabel database yang telah anda buat pada modul 4. print out hasil implementasi rancangan tersebut dan analisis hasilnya. (Masing0masing 10 record untuk tabel master dan 20 record untuk tabel transaksi)

Tabel: nasabah

Tabel: cabang_bank

```
MariaDB [perbankan]> insert into rekenin
-> (114, 'BRUA', '3210', 2000000),
-> (115, 'BRUL', '2106', 1500000),
-> (116, 'BRUC', '2000', 250000),
-> (117, 'BRUN', '2020', 300000),
-> (118, 'BRUD', '2212', 3000000),
-> (129, 'BRUB', '2012', 500000),
-> (120, 'BRUG', '2322', 4000000),
-> (121, 'BRUR', '4567', 200000),
-> (122, 'BRUJ', '7890', 250000),
-> (123, 'BRUT', '9876', 600000);
Query OK, 10 rows affected (0.351 sec)
Records: 10 Duplicates: 0 Warnings: 0
                                                      into rekening(no_rekening, kode_cabangFK, pin, saldo) values
 MariaDB [perbankan]> select * from rekening;
    no_rekening | kode_cabangFK | pin | saldo
                               BRUS
                                                                                500000
                    102
                                BRUS
                                                                                350000
                               BRUS
BRUM
                                                               3333
4444
                    103
104
                                                                                750000
                                                                               900000
                    105
                                BRUM
                                                                             2000000
                    106
                                BRUS
                                                               6666
                                                                             3000000
                    107
108
                                                               7777
0000
                                BRUS
                                                                             1000000
                                BRUB
                                                                              5000000
                    109
                                BRUB
                                                               1234
4321
                                                                                550000
                                BRUY
                    111
                               BRUK
                                                                                150000
                    112
113
                                BRUK
                                                                                300000
                                BRUY
                                                               8888
                                                                                255000
                               BRUA
BRUL
                                                                             2000000
1500000
                                                               2106
                                BRUC
                                                               2000
                    117
118
                                BRUN
                                                                2020
                                                                                300000
                               BRUD
BRUP
                                                               2212
2012
                                                                             3000000
500000
                    119
                    120
                                BRUG
                                                                             4000000
                                BRUR
                                                                                200000
                    122
                               BRUJ
                                                               7890
                                                                                250000
                               BRUT
                                                               9876
                                                                               600000
 23 rows in set (0.000 sec)
```

Tabel: nasabah_has_rekening

Tabel: transaksi

ansaksi	id nasabahEK	no rekeningEK	jenis_transaksi	tanggal	jumlah
	+			+	++
1	3	105	debit	2020-03-26 06:23:54	50000
2	2	103	debit	2020-03-26 06:23:54	40000
	4	101	kredit	2020-03-26 06:23:54 2020-03-26 06:23:54	20000
4		106	debit	2020-03-26 06:23:54	50000
		107	kredit	2020-03-26 06:23:54	30000
		101	kredit	2020-03-26 06:23:54	20000
	9	110		2020-03-26 06:23:54	150000
8		102		2020-03-26 06:23:54	20000
		105		2020-03-26 06:23:54	50000
10	4	107		2020-03-26 06:23:54	100000
11		103	debit	2020-03-26 06:23:54	100000
12		104	debit	2020-03-26 06:23:54	50000
13	4	107		2020-03-26 06:23:54	200000
14		105	debit	2020-03-26 06:23:54	40000
15			kredit	2020-03-26 06:23:54	100000
16	4	101	kredit	2020-03-26 06:23:54	20000
17	2	103	debit	2020-03-26 06:23:54	50000
18	5	102	debit	2020-03-26 06:23:54	50000
19	10	108	debit	2020-03-26 06:23:54	100000
20	3	106	kredit	2020-03-26 06:23:54	50000
21	2	103	kredit	2020-03-26 06:23:54	200000
22 23	3 5	105 102	kredit debit	2020-03-26 06:23:54	100000
24	1	104	debit	2020-03-26 06:23:54	50000
25	2	103	debit	2020-03-26 06:23:54	40000
26	4	101	debit	2020-03-26 06:23:54	50000
27	2	101		2020-03-26 06:23:54	100000
28	5	103	kredit	2020-03-26 06:23:54	200000
29	7	102	debit	2020-03-26 06:23:54	100000
30	, 9	110	debit	2020-03-26 06:23:54	20000
31	11	105	debit	2020-03-26 07:59:15	40000
32	11	104	kredit	2020-03-26 07:59:15	100000
33	14	101	kredit	2020-03-26 07:59:15	20000
34	12	103	debit	2020-03-26 07:59:15	50000
35	15	102	debit	2020-03-26 07:59:15	50000
36	20	108	debit	2020-03-26 07:59:15	100000
37	23	106	kredit	2020-03-26 07:59:15	50000
38	12	103	kredit	2020-03-26 07:59:15	200000
39		105	kredit	2020-03-26 07:59:15	100000
40		103	kredit	2020-03-26 07:59:15	20000
41		104	debit	2020-03-26 07:59:15	50000
42		103	debit	2020-03-26 07:59:15	40000
43		101	kredit	2020-03-26 07:59:15	50000
44		103	kredit	2020-03-26 07:59:15	100000
45	15	102	kredit	2020-03-26 07:59:15	200000
46		102		2020-03-26 07:59:15	50000
47	12	104	debit	2020-03-20 07:59:15	40000
48	14	101	debit	2020-03-26 07:59:15 2020-03-26 07:59:15	50000
49	17	109	debit		100000
50	19		debit	2020-03-26 07:59:15	