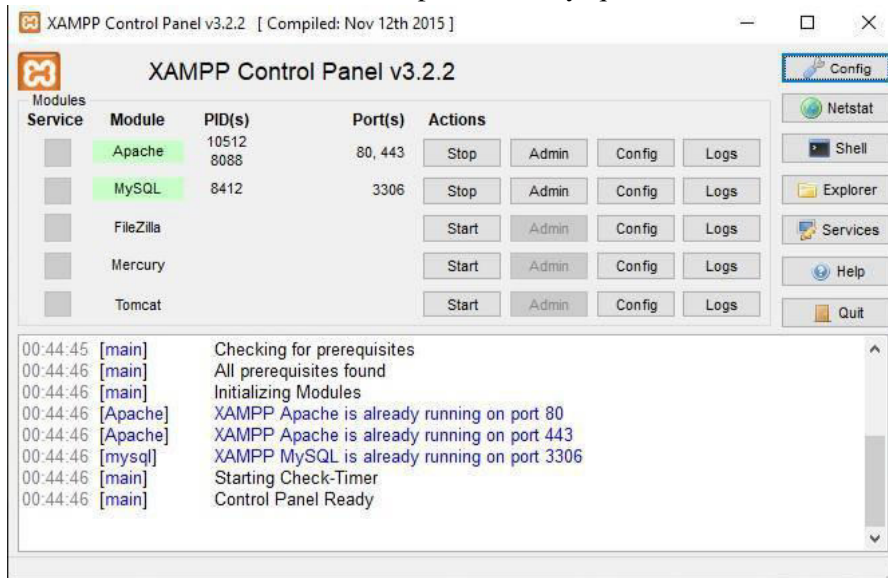Nama   : Ilham Anwar Yazied
NIM   : L200180049
Kelas   : B (Praktikum Sistem Basis Data)
Modul   : 6

LATIHAN :

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

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

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

```
MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| boking             |
| datakost           |
| gayo               |
| information_schema |
| kuliner            |
| laravel            |
| latihan_crud       |
| login              |
| mylink             |
| mysql              |
| perbankan          |
| percobaan          |
| performance_schema |
| phpmyadmin         |
| sma 1 dayun        |
| test               |
| university         |
+--------------------+
17 rows in set (0.18 sec)

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

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.Haryono 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 (0.06 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 (0.10 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(8,'Sari Murti','Jl. Pangandaran 11');
Query OK, 1 row affected (0.17 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)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(10,'Budi Murtono','Jl. Merak 22');
Query OK, 1 row affected (0.10 sec)
```

❖ insert table cabang_bank

```
Command Prompt - mysql -u root -p
MariaDB [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 (0.17 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('BRUY','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('BRUW','Bank Rut Unit Wonogiri','Jl. Untung Suropati 12');
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into rekening values('');
```

❖ insert table rekening

❖ insert table nasabah_has_rekening

❖ insert table transaksi


```
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(1,105,3,'debit','2019-11-10',50000);
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(2,103,2,'debit','2019-11-10',40000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(3,101,4,'kredit','2019-11-12',20000);
Query OK, 1 row affected (0.11 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(4,106,3,'debit','2019-11-13',30000);
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(5,107,5,'kredit','2019-11-13',30000);
Query OK, 1 row affected (0.21 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(6,104,1,'kredit','2019-11-15',200000);
Query OK, 1 row affected (0.08 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(7,110,9,'kredit','2019-11-15',150000);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(8,102,5,'debit','2019-11-16',20000);
Query OK, 1 row affected (0.11 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(9,105,3,'kredit','2019-11-18',50000);
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(10,107,4,'debit','2019-11-19',100000);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(11,103,2,'debit','2019-11-19',100000);
Query OK, 1 row affected (0.12 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(12,104,1,'debit','2019-11-19',50000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(13,107,4,'kredit','2019-11-20',200000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(14,105,3,'debit','2019-11-21',40000);
Query OK, 1 row affected (0.06 sec)
```



```
MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(14,105,3,'debit','2019-11-21',40000);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(15,104,1,'kredit','2019-11-22',100000);
Query OK, 1 row affected (0.19 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(16,101,4,'kredit','2019-11-22',20000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(17,103,2,'debit','2019-11-22',50000);
Query OK, 1 row affected (0.18 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(18,102,5,'debit','2019-11-25',50000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(19,108,10,'debit','2019-11-26',100000);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(20,106,3,'kredit','2019-11-27',50000);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(21,103,2,'kredit','2019-11-28',200000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(22,105,3,'kredit','2019-11-28',100000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(23,102,5,'debit','2019-11-30',20000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(24,104,1,'debit','2019-11-1',50000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(25,103,2,'debit','2019-11-2',40000);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(26,101,4,'debit','2019-12-4',50000);
Query OK, 1 row affected (0.15 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(27,103,2,'kredit','2019-12-5',100000);
Query OK, 1 row affected (0.11 sec)

MariaDB [perbankan]>
```

```
MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(28,102,5,'kredit','2019-12-5',200000);
Query OK, 1 row affected (0.33 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(29,109,7,'debit','2019-12-5',100000);
Query OK, 1 row affected (0.09 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values(30,110,9,'debit','2019-12-6',20000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]>
```

5. Lakukan update untuk kasus berikut

☐ Nasabah dengan nama "Indri Hapsari " pindah alamat ke "Jalan Slamet Riyadi No.34" * Sebelum

```
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. Sutoyo 5           |
|         8 | Sari Murti       | Jl. Pangandaran 11     |
|         9 | Canka Loknanta   | Jl. Tidar 86           |
|        10 | Budi Murtono     | Jl. Merak 22           |
+-----------+------------------+------------------------+
10 rows in set (0.05 sec)

MariaDB [perbankan]>
```

☐ *Sesudah

```
10 rows in set (0.00 sec)

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           |
+-----------+------------------+------------------------+
10 rows in set (0.00 sec)

MariaDB [perbankan]>
```

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

- Sebelum

- Sesudah

6. Lakukan penghapusan untuk kasus berik ut

   Nasabah dengan id "7" menutup rekeningnya

   - Sebelum

   - Sesudah

□
Cabang dengan nama_cabang "Bank Rut Unit Magelang"
menutup Kantornya

● Sebelum

```
MariaDB [perbankan]> update cabang_bank set  alamat_cabang='Jl. A. Yani 23' where kode_cabang='BRUW';
Query OK, 1 row affected (0.11 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-------------+----------------------+----------------------+
| kode_cabang | nama_cabang          | alamat_cabang        |
+-------------+----------------------+----------------------+
| BRUB        | Bank Rut Unit Boyolali   | Jl. Ahmad Yani 45    |
| BRUK        | Bank Rut Unit Klaten     | Jl. Suparman 23      |
| BRUM        | Bank Rut Unit Magelang   | Jl. P.Tendean 63     |
| BRUS        | Bank Rut Unit Surakarta  | Jl. Slamet Riyadi 18 |
| BRUW        | Bank Rut Unit Wonogiri   | Jl. A. Yani 23       |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21       |
+-------------+----------------------+----------------------+
6 rows in set (0.00 sec)

MariaDB [perbankan]>
```

● Sesudah

```
MariaDB [perbankan]> delete from cabang_bank where nama_cabang='Bank Rut Unit Magelang';
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> select * from cabang_bank;
+-------------+----------------------+----------------------+
| kode_cabang | nama_cabang          | alamat_cabang        |
+-------------+----------------------+----------------------+
| BRUB        | Bank Rut Unit Boyolali   | Jl. Ahmad Yani 45    |
| BRUK        | Bank Rut Unit Klaten     | Jl. Suparman 23      |
| BRUS        | Bank Rut Unit Surakarta  | Jl. Slamet Riyadi 18 |
| BRUW        | Bank Rut Unit Wonogiri   | Jl. A. Yani 23       |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21       |
+-------------+----------------------+----------------------+
5 rows in set (0.00 sec)

MariaDB [perbankan]> _
```

Tugas

1. Record tabel nasabah

```
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values
    -> (11,'khoir','Jl. Mawar 10'),
    -> (12,'khoirudin','Jl. Mawar 20'),
    -> (13,'conv','Jl. Melati 20'),
    -> (14,'suherman','Jl. Melati 30'),
    -> (15,'rohmad','Jl. Sudirman 30'),
    -> (16,'idfi','Jl. Soeharto 12'),
    -> (17,'sari','Jl. Soeharto 15'),
    -> (18,'lia','Jl. Soekarno 13'),
    -> (19,'asri','Jl. broto 8'),
    -> (20,'ikhsani','Jl. gatot 9');
Query OK, 10 rows affected (0.20 sec)
Records: 10  Duplicates: 0  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   |
|          8 | Sari Murti      | Jl. Pangandaran 11     |
|          9 | Canka Loknanta  | Jl. Tidar 86           |
|         10 | Budi Murtono    | Jl. Merak 22           |
|         11 | khoir           | Jl. Mawar 10           |
|         12 | khoirudin       | Jl. Mawar 20           |
|         13 | conv            | Jl. Melati 20          |
|         14 | suherman        | Jl. Melati 30          |
|         15 | rohmad          | Jl. Sudirman 30        |
|         16 | idfi            | Jl. Soeharto 12        |
|         17 | sari            | Jl. Soeharto 15        |
|         18 | lia             | Jl. Soekarno 13        |
|         19 | asri            | Jl. broto 8            |
|         20 | ikhsani         | Jl. gatot 9            |
+------------+-----------------+------------------------+
19 rows in set (0.04 sec)
```

2. Record tabel cabang_bank

```
Command Prompt - mysql  -u root -p
MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values
    -> ('BRUA','Bank Rut Unit Andalas','Jl. Sugeng 16'),
    -> ('BRUP','Bank Rut Unit Padang','Jl. Ampera 13'),
    -> ('BRUT','Bank Rut Unit Tegal','Jl. Soepomo 15'),
    -> ('BRUN','Bank Rut Unit Ngawi','Jl. Anggrek 19'),
    -> ('BRUC','Bank Rut Unit Cikampek','Jl. Soeharto 17'),
    -> ('BRUL','Bank Rut Unit Lord','Jl. Mawar 18'),
    -> ('BRUD','Bank Rut Unit Dilo','Jl. Sudirman 12'),
    -> ('BRUF','Bank Rut Unit Fasio','Jl. Soeharto 11'),
    -> ('BRUG','Bank Rut Unit Gempolo','Jl. Melati 13'),
    -> ('BRUH','Bank Rut Unit Hasbon','Jl. Hangtuah 15');
Query OK, 10 rows affected (0.14 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-------------+-----------------------+----------------------+
| kode_cabang | nama_cabang           | alamat_cabang        |
+-------------+-----------------------+----------------------+
| BRUA        | Bank Rut Unit Andalas | Jl. Sugeng 16        |
| BRUB        | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45   |
| BRUC        | Bank Rut Unit Cikampek | Jl. Soeharto 17     |
| BRUD        | Bank Rut Unit Dilo    | Jl. Sudirman 12      |
| BRUF        | Bank Rut Unit Fasio   | Jl. Soeharto 11      |
| BRUG        | Bank Rut Unit Gempolo | Jl. Melati 13        |
| BRUH        | Bank Rut Unit Hasbon  | Jl. Hangtuah 15      |
| BRUK        | Bank Rut Unit Klaten  | Jl. Suparman 23      |
| BRUL        | Bank Rut Unit Lord    | Jl. Mawar 18         |
| BRUN        | Bank Rut Unit Ngawi   | Jl. Anggrek 19       |
| BRUP        | Bank Rut Unit Padang  | Jl. Ampera 13        |
| BRUS        | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUT        | Bank Rut Unit Tegal   | Jl. Soepomo 15       |
| BRUW        | Bank Rut Unit Wonogiri | Jl. A. Yani 23      |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21    |
+-------------+-----------------------+----------------------+
15 rows in set (0.00 sec)

MariaDB [perbankan]>
```

3. Record tabel rekening

```
Command Prompt - mysql -u root -p

+-------------+--------------------+---------------------+
15 rows in set (0.00 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabang,pin,saldo)values
    -> (114,'BRUA',2345,1000000),
    -> (115,'BRUB',3456,2000000),
    -> (116,'BRUB',4567,3000000),
    -> (117,'BRUS',5678,4000000),
    -> (118,'BRUG',6789,5000000),
    -> (119,'BRUA',7890,6000000),
    -> (120,'BRUY',1357,7000000),
    -> (121,'BRUK',2468,8000000),
    -> (122,'BRUF',1290,9000000),
    -> (123,'BRUH',1290,10000000);
Query OK, 10 rows affected (0.12 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> select * from rekening;
+------------+-------------+-------+----------+
| no_rekening | kode_cabang | pin   | saldo    |
+------------+-------------+-------+----------+
|        101 | BRUS        | 1111  |   500000 |
|        102 | BRUS        | 2222  |   350000 |
|        103 | BRUS        | 3333  |   750000 |
|        104 | BRUM        | 4444  |   900000 |
|        105 | BRUM        | 55555 |  2000000 |
|        106 | BRUS        | 6666  |  3000000 |
|        107 | BRUS        | 7777  |  1000000 |
|        108 | BRUB        | 0     |  5000000 |
|        109 | BRUB        | 9999  |        0 |
|        110 | BRUY        | 1234  |   550000 |
|        111 | BRUK        | 4321  |   150000 |
|        112 | BRUK        | 123   |   300000 |
|        113 | BRUY        | 8888  |   255000 |
|        114 | BRUA        | 2345  |  1000000 |
|        115 | BRUB        | 3456  |  2000000 |
|        116 | BRUB        | 4567  |  3000000 |
|        117 | BRUS        | 5678  |  4000000 |
|        118 | BRUG        | 6789  |  5000000 |
|        119 | BRUA        | 7890  |  6000000 |
|        120 | BRUY        | 1357  |  7000000 |
|        121 | BRUK        | 2468  |  8000000 |
|        122 | BRUF        | 1290  |  9000000 |
|        123 | BRUH        | 1290  | 10000000 |
+------------+-------------+-------+----------+
23 rows in set (0.00 sec)

MariaDB [perbankan]>
```

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
```

```
MariaDB [perbankan]> select * from nasabah_has_rekening;
+-------------+---------------+
| id_nasabahFK | no_rekeningFK |
+-------------+---------------+
|           1 |           104 |
|           2 |           103 |
|           3 |           105 |
|           3 |           106 |
|           4 |           101 |
|           4 |           106 |
|           4 |           107 |
|           5 |           102 |
|           5 |           107 |
|           6 |           109 |
|           7 |           109 |
|           8 |           111 |
|           8 |           112 |
|           9 |           110 |
|          10 |           108 |
|          10 |           113 |
|          11 |           114 |
|          12 |           115 |
|          13 |           116 |
|          14 |           117 |
|          15 |           118 |
|          16 |           119 |
|          17 |           120 |
|          18 |           121 |
|          19 |           122 |
|          20 |           123 |
+-------------+---------------+
26 rows in set (0.00 sec)

MariaDB [perbankan]> _
```

5. Record transaksi

```
MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values
    -> (31,114,11,'debit','2020-01-11',100000),
    -> (32,114,11,'kredit','2020-01-11',50000),
    -> (33,115,12,'debit','2020-01-22',200000),
    -> (34,115,12,'kredit','2020-01-24',50000),
    -> (35,116,13,'debit','2020-01-26',300000),
    -> (36,116,13,'kredit','2020-01-28',50000),
    -> (37,117,14,'debit','2020-02-01',400000),
    -> (38,117,14,'kredit','2020-02-03',50000),
    -> (39,118,15,'debit','2020-02-05',500000),
    -> (40,118,15,'kredit','2020-02-07',50000),
    -> (41,119,16,'debit','2020-02-09',600000),
    -> (42,119,16,'kredit','2020-02-11',50000),
    -> (43,120,17,'debit','2020-02-13',700000),
    -> (44,120,17,'kredit','2020-02-15',50000),
    -> (45,121,18,'debit','2020-02-17',800000),
    -> (46,121,18,'kredit','2020-02-19',50000),
    -> (47,122,19,'debit','2020-03-05',900000),
    -> (48,122,19,'kredit','2020-03-25',50000),
    -> (49,123,20,'debit','2020-03-09',1000000),
    -> (50,123,20,'kredit','2020-03-29',500000);
Query OK, 20 rows affected (0.11 sec)
Records: 20  Duplicates: 0  Warnings: 0
```

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

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2019-11-10 00:00:00	50000
2	2	103	debit	2019-11-10 00:00:00	40000
3	4	101	kredit	2019-11-12 00:00:00	20000
4	3	106	debit	2019-11-13 00:00:00	30000
5	5	107	kredit	2019-11-13 00:00:00	30000
6	1	104	kredit	2019-11-15 00:00:00	200000
7	9	110	kredit	2019-11-15 00:00:00	150000
8	5	102	debit	2019-11-16 00:00:00	20000
9	3	105	kredit	2019-11-18 00:00:00	50000
10	4	107	debit	2019-11-19 00:00:00	100000
11	2	103	debit	2019-11-19 00:00:00	100000
12	1	104	debit	2019-11-19 00:00:00	50000
13	4	107	kredit	2019-11-20 00:00:00	200000
14	3	105	debit	2019-11-21 00:00:00	40000
15	1	104	kredit	2019-11-22 00:00:00	100000
16	4	101	kredit	2019-11-22 00:00:00	20000
17	2	103	debit	2019-11-22 00:00:00	50000
18	5	102	debit	2019-11-25 00:00:00	50000
19	10	108	debit	2019-11-26 00:00:00	100000
20	3	106	kredit	2019-11-27 00:00:00	50000
21	2	103	kredit	2019-11-28 00:00:00	200000
22	3	105	kredit	2019-11-28 00:00:00	100000
23	5	102	debit	2019-11-30 00:00:00	20000
24	1	104	debit	2019-12-01 00:00:00	50000
25	2	103	debit	2019-12-02 00:00:00	40000
26	4	101	debit	2019-12-04 00:00:00	50000
27	2	103	kredit	2019-12-05 00:00:00	100000
28	5	102	kredit	2019-12-05 00:00:00	200000
29	7	109	debit	2019-12-05 00:00:00	100000
30	9	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
35	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
38	14	117	kredit	2020-02-03 00:00:00	50000
39	15	118	debit	2020-02-05 00:00:00	500000
40	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
45	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	20	123	debit	2020-03-09 00:00:00	1000000
50	20	123	kredit	2020-03-29 00:00:00	500000

```
50 rows in set (0.00 sec)
```