Nama : Nur Fitria Melani
NIM : L200180012
Kelas : A

MODUL 5.
DATA MANIPULATION LANGUAGE(DML)

LATIHAN

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       |
|          7 | Indri Hapsari     | Jl. Sutoyo 5               |
|          8 | Sari Murti        | Jl. Pangandaran 11         |
|          9 | Canka Lokananta   | Jl. Tidar 86               |
|         10 | Budi Murtono      | Jl. Merak 22               |
+------------+-------------------+----------------------------+
10 rows in set (0.004 sec)
```

Tabel : cabang_bank

```
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 (0.018 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 (0.005 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 (0.004 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 (0.008 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 (0.005 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 (0.008 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      |
| BRUM        | Bank Rut Unit Magelang   | Jl. P. Tendean 63    |
| BRUS        | Bank Rut Unit Surakarta  | Jl. Slamet Riyadi 18 |
| BRUW        | Bank Rut Unit Wonogiri   | Jl. Untung Suropati 12 |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21       |
+-------------+--------------------------+----------------------+
6 rows in set (0.001 sec)
```

Tabel : rekening

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(101,'BRUS',1111,500000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(102,'BRUS',2222,350000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(103,'BRUS',3333,750000);
Query OK, 1 row affected (0.005 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(104,'BRUM',4444,900000);
Query OK, 1 row affected (0.005 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(105,'BRUM',5555,2000000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(106,'BRUS',6666,3000000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(107,'BRUS',7777,1000000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(108,'BRUB',0000,5000000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(109,'BRUB',9999,0);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(110,'BRUY',1234,550000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(111,'BRUK',4321,150000);
Query OK, 1 row affected (0.005 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(112,'BRUK',0123,300000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(113,'BRUY',8888,255000);
Query OK, 1 row affected (0.004 sec)
```

```
MariaDB [perbankan]> select *from rekening;
+-------------+--------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+-------------+--------------+------+---------+
|         101 | BRUS         | 1111 |  500000 |
|         102 | BRUS         | 2222 |  350000 |
|         103 | BRUS         | 3333 |  750000 |
|         104 | BRUM         | 4444 |  900000 |
|         105 | BRUM         | 5555 | 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 |
+-------------+--------------+------+---------+
13 rows in set (0.005 sec)
```

Tabel : nasabah_has_rekening

```
Command Prompt - mysql -u root -p                                                                                    —  □  ×
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(1,104);
Query OK, 1 row affected (0.006 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(2,103);
Query OK, 1 row affected (0.008 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(3,105);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(3,106);
Query OK, 1 row affected (0.008 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(4,101);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(4,107);
Query OK, 1 row affected (0.007 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(5,102);
Query OK, 1 row affected (0.006 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(5,107);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(6,109);
Query OK, 1 row affected (0.007 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(7,109);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(8,111);
Query OK, 1 row affected (0.006 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(9,110);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(10,113);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(8,112);
Query OK, 1 row affected (0.003 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(10,108);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> select *from nasabah_has_rekening;
+--------------+---------------+
| id_nasabahFK | no_rekeningFK |
+--------------+---------------+
|            1 |           104 |
|            2 |           103 |
|            3 |           105 |
|            3 |           106 |
|            4 |           101 |
|            4 |           107 |
|            5 |           102 |
|            5 |           107 |
|            6 |           109 |
|            7 |           109 |
|            8 |           111 |
|            8 |           112 |
|            9 |           110 |
|           10 |           108 |
|           10 |           113 |
+--------------+---------------+
15 rows in set (0.001 sec)
```

Tabel : transaksi

```
Command Prompt - mysql -u root -p                                                                                    — □ ×
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(1, 105, 3,'debit','2009-11-10',50000);
Query OK, 1 row affected (0.005 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(2, 103, 2,'debit','2009-11-10',40000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(3, 101, 4,'kredit','2009-11-12',20000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(4, 106, 3,'debit','2009-11-13',50000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(5, 107, 5,'kredit','2009-11-13',30000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(6, 104, 1,'kredit','2009-11-15',200000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(7, 110, 9,'kredit','2009-11-15',150000);
Query OK, 1 row affected (0.002 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(8, 102, 5,'debit','2009-11-16',20000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(9, 105, 3,'kredit','2009-11-18',50000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(10, 107, 4,'debit','2009-11-19',100000);
Query OK, 1 row affected (0.004 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(11, 103, 2,'debit','2009-11-19',100000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(12, 104, 1,'debit','2009-11-19',50000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(13, 107, 4,'kredit','2009-11-20',200000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(14, 105, 3,'debit','2009-11-21',40000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(15, 104, 1,'kredit','2009-11-22',100000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(16, 101, 4,'kredit','2009-11-22',20000);
Query OK, 1 row affected (0.005 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(17, 103, 2,'debit','2009-11-22',50000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(18, 102, 5,'debit','2009-11-25',50000);
Query OK, 1 row affected (0.005 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(19, 108, 10,'debit','2009-11-26',100000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(20, 106, 3,'kredit','2009-11-27',50000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(21, 103, 2,'kredit','2009-11-28',200000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(22, 105, 3,'kredit','2009-11-28',100000);
Query OK, 1 row affected (0.003 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(23, 102, 5,'debit','2009-11-30',20000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(24, 104, 1,'debit','2009-12-1',50000);
Query OK, 1 row affected (0.007 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(25, 103, 2,'debit','2009-12-2',40000);
Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(26, 101, 4,'debit','2009-12-4',50000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(27, 103, 2,'kredit','2009-12-5',100000);
Query OK, 1 row affected (0.007 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(28, 102, 5,'kredit','2009-12-5',200000);
Query OK, 1 row affected (0.007 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(29, 109, 7,'debit','2009-12-5',100000);
Query OK, 1 row affected (0.004 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(30, 110, 9,'debit','2009-12-6',20000);
Query OK, 1 row affected (0.004 sec)
```

```
Command Prompt - mysql -u root -p                                          —  ☐  ✕

MariaDB [perbankan]> select *from transaksi;
+-------------+--------------+--------------+----------------+---------------------+--------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal             | jumlah |
+-------------+--------------+--------------+----------------+---------------------+--------+
|           1 |            3 |          105 | debit          | 2009-11-10 00:00:00 |  50000 |
|           2 |            2 |          103 | debit          | 2009-11-10 00:00:00 |  40000 |
|           3 |            4 |          101 | kredit         | 2009-11-12 00:00:00 |  20000 |
|           4 |            3 |          106 | debit          | 2009-11-13 00:00:00 |  50000 |
|           5 |            5 |          107 | kredit         | 2009-11-13 00:00:00 |  30000 |
|           6 |            1 |          104 | kredit         | 2009-11-15 00:00:00 | 200000 |
|           7 |            9 |          110 | kredit         | 2009-11-15 00:00:00 | 150000 |
|           8 |            5 |          102 | debit          | 2009-11-16 00:00:00 |  20000 |
|           9 |            3 |          105 | kredit         | 2009-11-18 00:00:00 |  50000 |
|          10 |            4 |          107 | debit          | 2009-11-19 00:00:00 | 100000 |
|          11 |            2 |          103 | debit          | 2009-11-19 00:00:00 | 100000 |
|          12 |            1 |          104 | debit          | 2009-11-19 00:00:00 |  50000 |
|          13 |            4 |          107 | kredit         | 2009-11-20 00:00:00 | 200000 |
|          14 |            3 |          105 | debit          | 2009-11-21 00:00:00 |  40000 |
|          15 |            1 |          104 | kredit         | 2009-11-22 00:00:00 | 100000 |
|          16 |            4 |          101 | kredit         | 2009-11-22 00:00:00 |  20000 |
|          17 |            2 |          103 | debit          | 2009-11-22 00:00:00 |  50000 |
|          18 |            5 |          102 | debit          | 2009-11-25 00:00:00 |  50000 |
|          19 |           10 |          108 | debit          | 2009-11-26 00:00:00 | 100000 |
|          20 |            3 |          106 | kredit         | 2009-11-27 00:00:00 |  50000 |
|          21 |            2 |          103 | kredit         | 2009-11-28 00:00:00 | 200000 |
|          22 |            3 |          105 | kredit         | 2009-11-28 00:00:00 | 100000 |
|          23 |            5 |          102 | debit          | 2009-11-30 00:00:00 |  20000 |
|          24 |            1 |          104 | debit          | 2009-12-01 00:00:00 |  50000 |
|          25 |            2 |          103 | debit          | 2009-12-02 00:00:00 |  40000 |
|          26 |            4 |          101 | debit          | 2009-12-04 00:00:00 |  50000 |
|          27 |            2 |          103 | kredit         | 2009-12-05 00:00:00 | 100000 |
|          28 |            5 |          102 | kredit         | 2009-12-05 00:00:00 | 200000 |
|          29 |            7 |          109 | debit          | 2009-12-05 00:00:00 | 100000 |
|          30 |            9 |          110 | debit          | 2009-12-06 00:00:00 |  20000 |
+-------------+--------------+--------------+----------------+---------------------+--------+
30 rows in set (0.003 sec)

MariaDB [perbankan]>
```

Kasus UPDATE

a.


```
Command Prompt - mysql  -u root -p
MariaDB [perbankan]> UPDATE nasabah SET alamat_nasabah = 'Jalan Slamet Riyadi No.34' WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.017 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     | Jalan Slamet Riyadi No.34 |
|          8 | Sari Murti        | Jl. Pangandaran 11        |
|          9 | Canka Lokananta   | Jl. Tidar 86              |
|         10 | Budi Murtono      | Jl. Merak 22              |
+------------+-------------------+---------------------------+
10 rows in set (0.005 sec)
```

b.


```
MariaDB [perbankan]> UPDATE cabang_bank SET alamat_cabang = 'Jalan A. Yani No.34' WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.016 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  | Jalan A. Yani No.34 |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21      |
+-------------+-------------------------+---------------------+
6 rows in set (0.003 sec)
```

Kasus DELETE

a.

```
MariaDB [perbankan]> DELETE FROM nasabah WHERE id_nasabah = 7;
Query OK, 1 row affected (0.006 sec)

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              |
+------------+------------------+---------------------------+
9 rows in set (0.001 sec)
```

b.

```
MariaDB [perbankan]> DELETE FROM cabang_bank WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.004 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 | Jalan A. Yani No.34  |
| BRUY        | Bank Rut Unit Yogyakarta| Jl. Anggrek 21      |
+-------------+------------------------+----------------------+
5 rows in set (0.000 sec)

MariaDB [perbankan]>
```

TUGAS

Tabel nasabah

```
Command Prompt - mysql  -u root -p
MariaDB [perbankan]> INSERT INTO nasabah VALUES(11, 'Kim','Jl. Anggrek 10'),
    -> (12, 'Dodo','Jl. Melati 17'),
    -> (13, 'Dimas','Jl. Tulip 73'),
    -> (14, 'Caca Marica','Jl. Mawar 26'),
    -> (15, 'Amelia','Jl. Mangga 67'),
    -> (16, 'Echa','Jl. Terumbu Karang 29'),
    -> (17, 'Melani','Jl. Mintchoco 12'),
    -> (18, 'Lani','Jl. Angkasa 44'),
    -> (19, 'Fitria','Jl. Melodi 8'),
    -> (20, 'Hana','Jl. Sunflower 71');
Query OK, 10 rows affected (0.030 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 Lokananta  | Jl. Tidar 86           |
|         10 | Budi Murtono     | Jl. Merak 22           |
|         11 | Kim              | Jl. Anggrek 10         |
|         12 | Dodo             | Jl. Melati 17          |
|         13 | Dimas            | Jl. Tulip 73           |
|         14 | Caca Marica      | Jl. Mawar 26           |
|         15 | Amelia           | Jl. Mangga 67          |
|         16 | Echa             | Jl. Terumbu Karang 29  |
|         17 | Melani           | Jl. Mintchoco 12       |
|         18 | Lani             | Jl. Angkasa 44         |
|         19 | Fitria           | Jl. Melodi 8           |
|         20 | Hana             | Jl. Sunflower 71       |
+------------+------------------+------------------------+
19 rows in set (0.006 sec)
```

Tabel cabang_bank

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

MariaDB [perbankan]> INSERT INTO cabang_bank VALUES('BRUSUR','Bank Rut Unit Surabaya','Jl. Semangka 56'),
    -> ('BRUP','Bank Rut Unit Pacitan','Jl. Edelweis 99'),
    -> ('BRUN','Bank Rut Unit Ngawi','Jl. Angkasa 28'),
    -> ('BRUT','Bank Rut Unit Tegal','Jl. Nanas 9'),
    -> ('BRUBA','Bank Rut Unit Bandung','Jl. Kamboja 18'),
    -> ('BRUSA','Bank Rut Unit Sragen','Jl. Awan Putih 7'),
    -> ('BRUSE','Bank Rut Unit Semarang','Jl. Indahraya 42'),
    -> ('BRUMA','Bank Rut Unit Madiun','Jl. Merpati 55'),
    -> ('BRUBE','Bank Rut Unit Bekasi','Jl. Cempaka Putih 22'),
    -> ('BRUC','Bank Rut Unit Cilacap','Jl. Tulip 51');
Query OK, 10 rows affected (0.004 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select *from cabang_bank;
+-------------+--------------------------+----------------------+
| kode_cabang | nama_cabang              | alamat_cabang        |
+-------------+--------------------------+----------------------+
| BRUB        | Bank Rut Unit Boyolali   | Jl. Ahmad Yani 45    |
| BRUBA       | Bank Rut Unit Bandung    | Jl. Kamboja 18       |
| BRUBE       | Bank Rut Unit Bekasi     | Jl. Cempaka Putih 22 |
| BRUC        | Bank Rut Unit Cilacap    | Jl. Tulip 51         |
| BRUK        | Bank Rut Unit Klaten     | Jl. Suparman 23      |
| BRUMA       | Bank Rut Unit Madiun     | Jl. Merpati 55       |
| BRUN        | Bank Rut Unit Ngawi      | Jl. Angkasa 28       |
| BRUP        | Bank Rut Unit Pacitan    | Jl. Edelweis 99      |
| BRUS        | Bank Rut Unit Surakarta  | Jl. Slamet Riyadi 18 |
| BRUSA       | Bank Rut Unit Sragen     | Jl. Awan Putih 7     |
| BRUSE       | Bank Rut Unit Semarang   | Jl. Indahraya 42     |
| BRUSUR      | Bank Rut Unit Surabaya   | Jl. Semangka 56      |
| BRUT        | Bank Rut Unit Tegal      | Jl. Nanas 9          |
| BRUW        | Bank Rut Unit Wonogiri   | Jalan A. Yani No.34  |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21       |
+-------------+--------------------------+----------------------+
15 rows in set (0.003 sec)
```

Tabel rekening

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

MariaDB [perbankan]> INSERT INTO rekening VALUES(114,'BRUMA',2345,400000),
    -> (115,'BRUSE',5432,650000),
    -> (116,'BRUN',3456,700000),
    -> (117,'BRUSUR',6543,800000),
    -> (118,'BRUP',4567,1300000),
    -> (119,'BRUSA',7654,2000000),
    -> (120,'BRUC',5678,1000000),
    -> (121,'BRUBE',8765,2400000),
    -> (122,'BRUT',6789,800000),
    -> (123,'BRUBA',9876,950000);
Query OK, 10 rows affected (0.007 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select *from rekening;
+------------+--------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+------+---------+
|        101 | BRUS         | 1111 |  500000 |
|        102 | BRUS         | 2222 |  350000 |
|        103 | BRUS         | 3333 |  750000 |
|        104 | BRUM         | 4444 |  900000 |
|        105 | BRUM         | 5555 | 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 | BRUMA        | 2345 |  400000 |
|        115 | BRUSE        | 5432 |  650000 |
|        116 | BRUN         | 3456 |  700000 |
|        117 | BRUSUR       | 6543 |  800000 |
|        118 | BRUP         | 4567 | 1300000 |
|        119 | BRUSA        | 7654 | 2000000 |
|        120 | BRUC         | 5678 | 1000000 |
|        121 | BRUBE        | 8765 | 2400000 |
|        122 | BRUT         | 6789 |  800000 |
|        123 | BRUBA        | 9876 |  950000 |
+------------+--------------+------+---------+
```

Tabel nasabah_has_rekening


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

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening VALUES(11, 118),
    -> (12, 115),
    -> (13, 117),
    -> (14, 121),
    -> (15, 114),
    -> (16, 122),
    -> (17, 116),
    -> (18, 119),
    -> (19, 123),
    -> (20, 120);
Query OK, 10 rows affected (0.005 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 |           107 |
|            5 |           102 |
|            5 |           107 |
|            6 |           109 |
|            7 |           109 |
|            8 |           111 |
|            8 |           112 |
|            9 |           110 |
|           10 |           108 |
|           10 |           113 |
|           11 |           118 |
|           12 |           115 |
|           13 |           117 |
|           14 |           121 |
|           15 |           114 |
|           16 |           122 |
|           17 |           116 |
|           18 |           119 |
|           19 |           123 |
|           20 |           120 |
+--------------+---------------+
25 rows in set (0.001 sec)
```

Tabel transaksi


```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO transaksi VALUES(31,114,15,'debit','2019-08-27',20000),
    -> (32,115,12,'debit','2019-08-27',50000),
    -> (33,118,11,'debit','2019-08-29',50000),
    -> (34,116,17,'kredit','2019-08-30',100000),
    -> (35,117,13,'kredit','2019-08-30',30000),
    -> (36,121,14,'debit','2019-08-31',50000),
    -> (37,123,19,'kredit','2019-08-31',20000),
    -> (38,119,18,'kredit','2019-08-31',70000),
    -> (39,122,16,'debit','2019-09-01',100000),
    -> (40,120,20,'debit','2019-09-01',200000),
    -> (41,121,14,'kredit','2019-09-02',40000),
    -> (42,123,19,'debit','2019-09-03',50000),
    -> (43,115,12,'debit','2019-09-03',70000),
    -> (44,116,17,'kredit','2019-09-03',70000),
    -> (45,120,20,'kredit','2019-09-04',100000),
    -> (46,118,11,'kredit','2019-09-05',200000),
    -> (47,114,15,'debit','2019-09-06',40000),
    -> (48,117,13,'debit','2019-09-07',50000),
    -> (49,119,18,'kredit','2019-09-08',70000),
    -> (50,122,16,'debit','2019-09-09',100000);
Query OK, 20 rows affected (0.008 sec)
Records: 20  Duplicates: 0  Warnings: 0
```