

**NAMA : BAITY JANNATIKA**  
**NIM : L200180211**  
**KELAS : H / SISTEM BASIS DATA**

## **MODUL 5**

### **DATA MANIPULATION LANGUAGE (DML)**

#### **MASUK KE ROOT MYSQL**

```
Microsoft Windows [Version 10.0.15063]
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C:\Users\ASUS>cd..

C:\Users>cd..

C:\>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 42
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.
```

#### **TABEL NASABAH**

```
MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
-> values(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');
Query OK, 10 rows affected (1.835 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
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 (0.001 sec)
```

## TABEL CABANG\_BANK

```
MariaDB [perbankan]> insert into cabang_bank(kode_bank, nama_cabang, alamat_cabang)
```

```
-> values('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18'),
```

```
-> ('BRUM', 'Bank Rut Unit Magelang', 'Jl. P. Tendean 63'),
```

```
-> ('BRUB', 'Bank Rut Unit Boyolali', 'Jl. Ahmad Yani 45'),
```

```
-> ('BRUK', 'Bank Rut Unit Klaten', 'Jl. Suparman 23'),
```

```
-> ('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21'),
```

```
-> ('BRUW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12');
```

```
Query OK, 6 rows affected (0.708 sec)
```

```
Records: 6 Duplicates: 0 Warnings: 0
```

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

kode_bank	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),
-> (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', 8888, 5000000),
-> (109, 'BRUB', 9999, 0),
-> (110, 'BRUY', 1234, 550000),
-> (111, 'BRUK', 4321, 150000),
-> (112, 'BRUK', 0123, 300000),
-> (113, 'BRUY', 0000, 255000);
Query OK, 13 rows affected (0.111 sec)
Records: 13  Duplicates: 0  Warnings: 0
```

*(Saya update bagian pin nya, karena sebelumnya salah menginputkan yang mana seharusnya pin berupa varchar tetapi saya tulis dengan integer)*

```
MariaDB [perbankan]> update rekening
-> set pin='1111' where no_rekening=101;
Query OK, 0 rows affected (0.025 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [perbankan]> update rekening
-> set pin='2222' where no_rekening=102;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0
```

```
MariaDB [perbankan]> update rekening
-> set pin='3333' where no_rekening=103;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [perbankan]> update rekening
-> set pin='4444' where no_rekening=104;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [perbankan]> update rekening
-> set pin='5555' where no_rekening=105;
Query OK, 0 rows affected (0.002 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [perbankan]> update rekening
-> set pin='6666' where no_rekening=106;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [perbankan]> update rekening
-> set pin='7777' where no_rekening=107;
Query OK, 0 rows affected (0.002 sec)
Rows matched: 1  Changed: 0  Warnings: 0

MariaDB [perbankan]> update rekening
-> set pin='0000' where no_rekening=108;
Query OK, 1 row affected (0.087 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [perbankan]> update rekening
    -> set pin='9999' where no_rekening=109;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0
```

```
MariaDB [perbankan]> update rekening
    -> set pin='1234' where no_rekening=110;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0
```

```
MariaDB [perbankan]> update rekening
    -> set pin='4321' where no_rekening=111;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 1  Changed: 0  Warnings: 0
```

```
MariaDB [perbankan]> update rekening
    -> set pin='0123' where no_rekening=112;
Query OK, 1 row affected (0.083 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [perbankan]> update rekening
    -> set pin='8888' where no_rekening=113;
Query OK, 1 row affected (0.071 sec)
Rows matched: 1  Changed: 1  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	0000	5000000
109	BRUB	9999	0
110	BRUY	1234	550000
111	BRUK	4321	150000
112	BRUK	0123	300000
113	BRUY	8888	255000

```
13 rows in set (0.001 sec)
```

## TABEL NASABAH\_HAS\_REKENING

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK)
-> values(1, 104), (2, 103), (3, 105), (3, 106), (4, 101), (4, 107), (5, 102), (5, 107),
-> (6, 109), (7, 109), (8, 111), (9, 110), (10, 113), (8, 112), (10, 108);
Query OK, 15 rows affected (0.158 sec)
Records: 15  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

```
15 rows in set (0.002 sec)
```

## TABEL TRANSAKSI

```

MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
-> (NULL, 105, 3, 'debit', DEFAULT, 50000),
-> (NULL, 103, 2, 'debit', DEFAULT, 40000),
-> (NULL, 101, 4, 'kredit', DEFAULT, 20000),
-> (NULL, 106, 3, 'debit', DEFAULT, 50000),
-> (NULL, 107, 5, 'kredit', DEFAULT, 30000),
-> (NULL, 104, 1, 'kredit', DEFAULT, 200000),
-> (NULL, 110, 9, 'kredit', DEFAULT, 150000),
-> (NULL, 102, 5, 'debit', DEFAULT, 20000),
-> (NULL, 105, 3, 'kredit', DEFAULT, 50000),
-> (NULL, 107, 4, 'debit', DEFAULT, 100000),
-> (NULL, 103, 2, 'debit', DEFAULT, 100000),
-> (NULL, 104, 1, 'debit', DEFAULT, 50000),
-> (NULL, 107, 4, 'kredit', DEFAULT, 200000),
-> (NULL, 105, 3, 'debit', DEFAULT, 40000),
-> (NULL, 104, 1, 'kredit', DEFAULT, 100000),
-> (NULL, 101, 4, 'kredit', DEFAULT, 20000),
-> (NULL, 103, 2, 'debit', DEFAULT, 50000),
-> (NULL, 102, 5, 'debit', DEFAULT, 50000),
-> (NULL, 108, 10, 'debit', DEFAULT, 100000),
-> (NULL, 106, 3, 'kredit', DEFAULT, 50000),
-> (NULL, 103, 2, 'kredit', DEFAULT, 200000),
-> (NULL, 105, 3, 'kredit', DEFAULT, 100000),
-> (NULL, 102, 5, 'debit', DEFAULT, 20000),
-> (NULL, 104, 1, 'debit', DEFAULT, 50000),
-> (NULL, 103, 2, 'debit', DEFAULT, 40000),
-> (NULL, 101, 4, 'debit', DEFAULT, 50000),
-> (NULL, 103, 2, 'kredit', DEFAULT, 100000),
-> (NULL, 102, 5, 'kredit', DEFAULT, 200000),
-> (NULL, 109, 7, 'debit', DEFAULT, 100000),
-> (NULL, 110, 9, 'debit', DEFAULT, 20000);
Query OK, 30 rows affected (0.174 sec)
Records: 30 Duplicates: 0 Warnings: 0

```

```

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1 | 3 | 105 | debit | 2020-03-24 23:24:24 | 50000 |
| 2 | 2 | 103 | debit | 2020-03-24 23:24:24 | 40000 |
| 3 | 4 | 101 | kredit | 2020-03-24 23:24:24 | 20000 |
| 4 | 3 | 106 | debit | 2020-03-24 23:24:24 | 50000 |
| 5 | 5 | 107 | kredit | 2020-03-24 23:24:24 | 30000 |
| 6 | 1 | 104 | kredit | 2020-03-24 23:24:24 | 200000 |
| 7 | 9 | 110 | kredit | 2020-03-24 23:24:24 | 150000 |
| 8 | 5 | 102 | debit | 2020-03-24 23:24:24 | 20000 |
| 9 | 3 | 105 | kredit | 2020-03-24 23:24:24 | 50000 |
| 10 | 4 | 107 | debit | 2020-03-24 23:24:24 | 100000 |
| 11 | 2 | 103 | debit | 2020-03-24 23:24:24 | 100000 |
| 12 | 1 | 104 | debit | 2020-03-24 23:24:24 | 50000 |
| 13 | 4 | 107 | kredit | 2020-03-24 23:24:24 | 200000 |
| 14 | 3 | 105 | debit | 2020-03-24 23:24:24 | 40000 |
| 15 | 1 | 104 | kredit | 2020-03-24 23:24:24 | 100000 |
| 16 | 4 | 101 | kredit | 2020-03-24 23:24:24 | 20000 |
| 17 | 2 | 103 | debit | 2020-03-24 23:24:24 | 50000 |
| 18 | 5 | 102 | debit | 2020-03-24 23:24:24 | 50000 |
| 19 | 10 | 108 | debit | 2020-03-24 23:24:24 | 100000 |
| 20 | 3 | 106 | kredit | 2020-03-24 23:24:24 | 50000 |
| 21 | 2 | 103 | kredit | 2020-03-24 23:24:24 | 200000 |
| 22 | 3 | 105 | kredit | 2020-03-24 23:24:24 | 100000 |
| 23 | 5 | 102 | debit | 2020-03-24 23:24:24 | 20000 |
| 24 | 1 | 104 | debit | 2020-03-24 23:24:24 | 50000 |
| 25 | 2 | 103 | debit | 2020-03-24 23:24:24 | 40000 |
| 26 | 4 | 101 | debit | 2020-03-24 23:24:24 | 50000 |
| 27 | 2 | 103 | kredit | 2020-03-24 23:24:24 | 100000 |
| 28 | 5 | 102 | kredit | 2020-03-24 23:24:24 | 200000 |
| 29 | 7 | 109 | debit | 2020-03-24 23:24:24 | 100000 |
| 30 | 9 | 110 | debit | 2020-03-24 23:24:24 | 20000 |
+-----+-----+-----+-----+-----+-----+
30 rows in set (0.001 sec)

```

## SOAL NOMER 6

- a. 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 Lokananta	Jl. Tidar 86
10	Budi Murtono	Jl. Merak 22

```
10 rows in set (0.001 sec)
```

Sesudah

```
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 Lokananta	Jl. Tidar 86
10	Budi Murtono	Jl. Merak 22

```
10 rows in set (0.002 sec)
```



- b. Cabang dengan kode “BRUW” pindah ke alamat “Jalan A. Yani No. 23”

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

kode_bank	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 (0.001 sec)
```

## SOAL NOMER 7

- a. Nasabah dengan id “7” menutup rekeningnya

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 Lokananta	Jl. Tidar 86
10	Budi Murtono	Jl. Merak 22

```
10 rows in set (0.001 sec)
```

### Sesudah

```
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 (0.005 sec)
```

- b. Cabang dengan nama cabang bank “Bank Rut Unit Magelang” menutup kantornya

### Sebelum

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

kode_bank	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)
```

### Sesudah

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

kode_bank	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 (0.001 sec)
```

## TUGAS MODUL

Masukkan beberapa *record* ke setiap table dalam database yang telah anda buat pada modul 4. Print out hasil implementasi rancangan tersebut dan analisa hasilnya. (Masing-masing 10 *record* untuk table master dan 20 *record* untuk table transaksi)

### NASABAH

```
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
-> (11, 'Baity', 'Jl. Mawar 11'),
-> (12, 'Janna', 'Jl. Melati 22'),
-> (13, 'Tika', 'Jl. Barat 33'),
-> (14, 'Lutfi', 'Jl. Utara 44'),
-> (15, 'Ali', 'Jl. Timur 55'),
-> (16, 'Mifta', 'Jl. Selatan 66'),
-> (17, 'Alfina', 'Jl. Tenggara 77'),
-> (18, 'Wafiq', 'Jl. Timur Laut 88'),
-> (19, 'Dewi', 'Jl. Barat Daya 99'),
-> (20, 'Falah', 'Jl. Barat Laut 90');
Query OK, 10 rows affected (0.399 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	Baity	Jl. Mawar 11
12	Janna	Jl. Melati 22
13	Tika	Jl. Barat 33
14	Lutfi	Jl. Utara 44
15	Ali	Jl. Timur 55
16	Mifta	Jl. Selatan 66
17	Alfina	Jl. Tenggara 77
18	Wafiq	Jl. Timur Laut 88
19	Dewi	Jl. Barat Daya 99
20	Falah	Jl. Barat Laut 90

```
19 rows in set (0.001 sec)
```

## CABANG\_BANK

```
MariaDB [perbankan]> insert into cabang_bank(kode_bank, nama_cabang, alamat_cabang) values
-> ('BRUT', 'Bank Rut Unit Tulung', 'Jl. Tulung 13'),
-> ('BRUP', 'Bank Rut Unit Padon', 'Jl. Utama Padon 9'),
-> ('BRUD', 'Bank Rut Unit Dalangan', 'Jl. Asih 56'),
-> ('BRUN', 'Bank Rut Unit Ngunut', 'Jl. Utama Ngunut 11'),
-> ('BRUJ', 'Bank Rut Unit Jatinom', 'Jl. Kenanga 34'),
-> ('BRUC', 'Bank Rut Unit Cokro', 'Jl. Mawar 67'),
-> ('BRUG', 'Bank Rut Unit Gono', 'Jl. Raya Sepatu 12'),
-> ('BRUU', 'Bank Rut Unit Ungaran', 'Jl. Melati Putih 33'),
-> ('BRUL', 'Bank Rut Unit Lembang', 'Jl. Lembang Jaya 99'),
-> ('BRUI', 'Bank Rut Unit Indramayu', 'Jl. Pepaya 44');
Query OK, 10 rows affected (0.132 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

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

kode_bank	nama_cabang	alamat_cabang
BRUB	Bank Rut Unit Boyolali	Jl. Ahmad Yani 45
BRUC	Bank Rut Unit Cokro	Jl. Mawar 67
BRUD	Bank Rut Unit Dalangan	Jl. Asih 56
BRUG	Bank Rut Unit Gono	Jl. Raya Sepatu 12
BRUI	Bank Rut Unit Indramayu	Jl. Pepaya 44
BRUJ	Bank Rut Unit Jatinom	Jl. Kenanga 34
BRUK	Bank Rut Unit Klaten	Jl. Suparman 23
BRUL	Bank Rut Unit Lembang	Jl. Lembang Jaya 99
BRUN	Bank Rut Unit Ngunut	Jl. Utama Ngunut 11
BRUP	Bank Rut Unit Padon	Jl. Utama Padon 9
BRUS	Bank Rut Unit Surakarta	Jl. Slamet Riyadi 18
BRUT	Bank Rut Unit Tulung	Jl. Tulung 13
BRUU	Bank Rut Unit Ungaran	Jl. Melati Putih 33
BRUW	Bank Rut Unit Wonogiri	Jl. A. Yani 23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

15 rows in set (0.001 sec)

## REKENING

```
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
-> (114, 'BRUT', '1411', 7000000),
-> (115, 'BRUP', '1511', 4000000),
-> (116, 'BRUD', '1611', 300000),
-> (117, 'BRUN', '1711', 800000),
-> (118, 'BRUJ', '1811', 500000),
-> (119, 'BRUC', '1911', 3500000),
-> (120, 'BRUG', '2011', 225000),
-> (121, 'BRUU', '2111', 355000),
-> (122, 'BRUL', '2211', 755000),
-> (123, 'BRUI', '2311', 6000000);
Query OK, 10 rows affected (0.368 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	0000	5000000
109	BRUB	9999	0
110	BRUY	1234	550000
111	BRUK	4321	150000
112	BRUK	0123	300000
113	BRUY	8888	255000
114	BRUT	1411	7000000
115	BRUP	1511	4000000
116	BRUD	1611	300000
117	BRUN	1711	800000
118	BRUJ	1811	500000
119	BRUC	1911	3500000
120	BRUG	2011	225000
121	BRUU	2111	355000
122	BRUL	2211	755000
123	BRUI	2311	6000000

```
23 rows in set (0.001 sec)
```

## NASABAH\_HAS\_REKENING

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
-> (11, 104),
-> (12, 103),
-> (12, 105),
-> (13, 106),
-> (14, 101),
-> (14, 107),
-> (15, 102),
-> (16, 107),
-> (16, 109),
-> (17, 111);
Query OK, 10 rows affected (0.335 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	104
12	103
12	105
13	106
14	101
14	107
15	102
16	107
16	109
17	111

```
25 rows in set (0.001 sec)
```

## TRANSAKSI

```
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
```

```
-> (NULL, 107, 15, 'debit', DEFAULT, 40000),
-> (NULL, 103, 12, 'kredit', DEFAULT, 450000),
-> (NULL, 101, 11, 'kredit', DEFAULT, 50000),
-> (NULL, 107, 15, 'debit', DEFAULT, 40000),
-> (NULL, 107, 19, 'debit', DEFAULT, 650000),
-> (NULL, 110, 17, 'debit', DEFAULT, 750000),
-> (NULL, 103, 14, 'kredit', DEFAULT, 70000),
-> (NULL, 101, 18, 'kredit', DEFAULT, 30000),
-> (NULL, 109, 13, 'debit', DEFAULT, 300000),
-> (NULL, 106, 12, 'debit', DEFAULT, 350000),
-> (NULL, 105, 16, 'kredit', DEFAULT, 50000),
-> (NULL, 102, 14, 'debit', DEFAULT, 80000),
-> (NULL, 108, 15, 'kredit', DEFAULT, 900000),
-> (NULL, 109, 16, 'debit', DEFAULT, 90000),
-> (NULL, 106, 11, 'kredit', DEFAULT, 60000),
-> (NULL, 109, 18, 'debit', DEFAULT, 650000),
-> (NULL, 102, 13, 'kredit', DEFAULT, 350000),
-> (NULL, 104, 19, 'debit', DEFAULT, 250000),
-> (NULL, 108, 17, 'kredit', DEFAULT, 200000),
-> (NULL, 102, 19, 'kredit', DEFAULT, 50000);
```

```
Query OK, 20 rows affected (1.717 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	2020-03-24 23:24:24	50000
2	2	103	debit	2020-03-24 23:24:24	40000
3	4	101	kredit	2020-03-24 23:24:24	20000
4	3	106	debit	2020-03-24 23:24:24	50000
5	5	107	kredit	2020-03-24 23:24:24	30000
6	1	104	kredit	2020-03-24 23:24:24	200000
7	9	110	kredit	2020-03-24 23:24:24	150000
8	5	102	debit	2020-03-24 23:24:24	20000
9	3	105	kredit	2020-03-24 23:24:24	50000
10	4	107	debit	2020-03-24 23:24:24	100000
11	2	103	debit	2020-03-24 23:24:24	100000
12	1	104	debit	2020-03-24 23:24:24	50000
13	4	107	kredit	2020-03-24 23:24:24	200000
14	3	105	debit	2020-03-24 23:24:24	40000
15	1	104	kredit	2020-03-24 23:24:24	100000
16	4	101	kredit	2020-03-24 23:24:24	20000
17	2	103	debit	2020-03-24 23:24:24	50000
18	5	102	debit	2020-03-24 23:24:24	50000
19	10	108	debit	2020-03-24 23:24:24	100000
20	3	106	kredit	2020-03-24 23:24:24	50000
21	2	103	kredit	2020-03-24 23:24:24	200000
22	3	105	kredit	2020-03-24 23:24:24	100000
23	5	102	debit	2020-03-24 23:24:24	20000
24	1	104	debit	2020-03-24 23:24:24	50000
25	2	103	debit	2020-03-24 23:24:24	40000
26	4	101	debit	2020-03-24 23:24:24	50000
27	2	103	kredit	2020-03-24 23:24:24	100000
28	5	102	kredit	2020-03-24 23:24:24	200000
29	7	109	debit	2020-03-24 23:24:24	100000
30	9	110	debit	2020-03-24 23:24:24	20000
31	15	107	debit	2020-03-25 14:02:21	40000
32	12	103	kredit	2020-03-25 14:02:21	450000
33	11	101	kredit	2020-03-25 14:02:21	50000
34	15	107	debit	2020-03-25 14:02:21	40000
35	19	107	debit	2020-03-25 14:02:21	650000
36	17	110	debit	2020-03-25 14:02:21	750000
37	14	103	kredit	2020-03-25 14:02:21	70000
38	18	101	kredit	2020-03-25 14:02:21	30000
39	13	109	debit	2020-03-25 14:02:21	300000
40	12	106	debit	2020-03-25 14:02:21	350000
41	16	105	kredit	2020-03-25 14:02:21	50000
42	14	102	debit	2020-03-25 14:02:21	80000
43	15	108	kredit	2020-03-25 14:02:21	900000
44	16	109	debit	2020-03-25 14:02:21	90000
45	11	106	kredit	2020-03-25 14:02:21	60000
46	18	109	debit	2020-03-25 14:02:21	650000
47	13	102	kredit	2020-03-25 14:02:21	350000
48	19	104	debit	2020-03-25 14:02:21	250000
49	17	108	kredit	2020-03-25 14:02:21	200000
50	19	102	kredit	2020-03-25 14:02:21	50000

50 rows in set (0.002 sec)