

# **Database System Practicum**

## **Modul 5 - Data Manipulation Language (DML)**



**By :**

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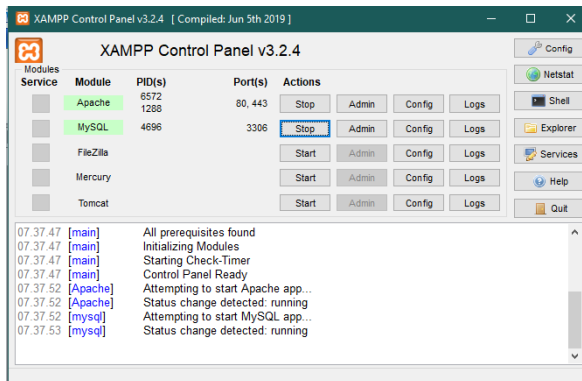
**FACULTY OF COMMUNICATION AND INFORMATICS**

**MUHAMMADIYAH UNIVERSITY OF SURAKARTA**

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## PRACTICE

1. Menjalankan XAMPP Control Panel lalu menjalankan server Apache dan MySQL



2. Login sebagai root ke MySQL di Command Prompt

```
Microsoft Windows [Version 10.0.18363.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Win10>cd\

C:\>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
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.
```

3. Memilih database perbankan

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

MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.053 sec)
```

4. Nasabah

```
MariaDB [perbankan]> describe nasabah;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_nasabah     | int(11)       | NO   | PRI | NULL    |       |
| nama_nasabah   | varchar(45)   | NO   |     | NULL    |       |
| alamat_nasabah | varchar(255)  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.120 sec)

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 Eko Prayogo', '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 (0.376 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 Eko Prayogo	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)
```

## 5. Cabang\_bank

```
MariaDB [perbankan]> describe cabang_bank;
```

Field	Type	Null	Key	Default	Extra
kode_cabang	varchar(20)	NO	PRI	NULL	
nama_cabang	varchar(45)	NO	UNI	NULL	
alamat_cabang	varchar(255)	NO		NULL	

```
3 rows in set (0.036 sec)
```

```
MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang, 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. Superman 23'),('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21'),
('BRUW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12');
Query OK, 6 rows affected (0.087 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

kode_cabang	nama_cabang	alamat_cabang
BRUB	Bank Rut Unit Boyolali	Jl. Ahmad Yani 45
BRUK	Bank Rut Unit Klaten	Jl. Superman 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 (0.000 sec)
```

## 6. Rekening

```
MariaDB [perbankan]> describe rekening;
```

Field	Type	Null	Key	Default	Extra
no_rekening	int(11)	NO	PRI	NULL	
kode_cabangFK	varchar(20)	YES		NULL	
pin	varchar(20)	NO		1234	
saldo	int(11)	NO		0	

```
4 rows in set (0.229 sec)
```

```
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', 0000, 5000000),(109, 'BRUB', 9999, 0),(110, 'BRUY', 1234, 550000),(111, 'BRUK', 4321, 150000),(112, 'BRUK', 0123, 300000),(113, 'BRUY', 8888, 255000);
Query OK, 13 rows affected (0.075 sec)
Records: 13 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

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

## 7. Nasabah\_has\_rekening

```
MariaDB [perbankan]> describe nasabah_has_rekening;
```

Field	Type	Null	Key	Default	Extra
id_nasabahFK	int(11)	NO	PRI	NULL	
no_rekeningFK	int(11)	NO	PRI	NULL	

```
2 rows in set (0.143 sec)
```

```
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 (0.088 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 (0.000 sec)
```

## 8. Transaksi

```
MariaDB [perbankan]> describe transaksi;
```

Field	Type	Null	Key	Default	Extra
no_transaksi	bigint(20) unsigned	NO	PRI	NULL	auto_increment
id_nasabahFK	int(11)	YES		NULL	
no_rekeningFK	int(11)	YES		NULL	
jenis_transaksi	varchar(20)	NO		debit	
tanggal	datetime	NO		current_timestamp()	
jumlah	int(11)	NO		NULL	

```
6 rows in set (0.330 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES (
1, 105, 3, 'debit', '2009-11-10', 50000),(2, 103, 2, 'debit', '2009-11-10', 40000),(3, 101, 4, 'kredit', '2009-11-12', 20000),(4,
106, 3, 'debit', '2009-11-13', 50000),(5, 107, 5, 'kredit', '2009-11-13', 30000),(6, 104, 1, 'kredit', '2009-11-15', 200000),(7,
110, 9, 'kredit', '2009-11-15', 150000),(8, 102, 5, 'debit', '2009-11-16', 20000),(9, 105, 3, 'kredit', '2009-11-18', 50000),(10
, 107, 4, 'debit', '2009-11-19', 100000),(11, 103, 2, 'debit', '2009-11-19', 100000),(12, 104, 1, 'debit', '2009-11-19', 50000),(
13, 107, 4, 'kredit', '2009-11-20', 200000),(14, 105, 3, 'debit', '2009-11-21', 40000),(15, 104, 1, 'kredit', '2009-11-22', 10000
0),(16, 101, 4, 'kredit', '2009-11-22', 20000),(17, 103, 2, 'debit', '2009-11-22', 50000),(18, 102, 5, 'debit', '2009-11-25', 500
00),(19, 108, 10, 'debit', '2009-11-26', 100000),(20, 106, 3, 'kredit', '2009-11-27', 50000),(21, 103, 2, 'kredit', '2009-11-28',
200000),(22, 105, 3, 'kredit', '2009-11-28', 100000),(23, 102, 5, 'debit', '2009-11-30', 20000),(24, 104, 1, 'debit', '2009-12-1
', 50000),(25, 103, 2, 'debit', '2009-12-2', 40000),(26, 101, 4, 'debit', '2009-12-4', 50000),(27, 103, 2, 'kredit', '2009-12-5',
100000),(28, 102, 5, 'kredit', '2009-12-5', 200000),(29, 109, 7, 'debit', '2009-12-5', 100000),(30, 110, 9, 'debit', '2009-12-6'
, 20000);
Query OK, 30 rows affected (0.042 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	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 (0.001 sec)

## 9. Melakukan update

- Nasabah dengan nama “Indri Hapsari” pindah alamat ke “Jalan Slamet Riyadi No.34”

```
MariaDB [perbankan]> UPDATE nasabah SET alamat_nasabah='Jalan Slamet Riyadi No.34' WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.120 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

Cek :

```
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 Eko Prayogo	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 (0.089 sec)

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

```
MariaDB [perbankan]> UPDATE cabang_bank SET alamat_cabang='Jalan A. Yani No.23' WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.108 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

Cek :

```
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. Superman 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.23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

```
6 rows in set (0.000 sec)
```

## 10. Melakukan penghapusan

### a. Nasabah dengan id “7” menutup rekeningnya

```
MariaDB [perbankan]> DELETE FROM nasabah_has_rekening WHERE id_nasabahFK = 7;
```

```
Query OK, 1 row affected (0.061 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
8	111
8	112
9	110
10	108
10	113

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

### b. Cabang dengan nama\_cabang “Bank Rut Unit Magelang” menutup kantornya

```
MariaDB [perbankan]> DELETE FROM cabang_bank WHERE nama_cabang = 'Bank Rut Unit Magelang';
```

```
Query OK, 1 row affected (0.087 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. Superman 23
BRUS	Bank Rut Unit Surakarta	Jl. Slamet Riyadi 18
BRUW	Bank Rut Unit Wonogiri	Jalan A. Yani No.23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

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

## ASSIGNMENT

### #Table Master

#### 1. Nasabah

```
MariaDB [perbankan]> INSERT INTO nasabah (id_nasabah, nama_nasabah, alamat_nasabah) VALUES (11, 'Azie', 'Jl . Apel 01'),(12, 'Mela', 'Jl. Naga 02'),(13, 'Sari', 'Jl. Duren 03'),(14, 'Hafshah', 'Jl. Manggis 04'),(15, 'Fitri', 'Jl. Duku 05'),(16, 'Afifah', 'Jl. Sukowati 06'),(17, 'Aulia', 'Jl. Pattimura 07'),(18, 'Septin', 'Jl. Cut Nya Din 08'),(19, 'Cahya', 'Jl. Mawar 09'),(20, 'Wahyu', 'Jl. Hassanudin 10');
```

```
Query OK, 10 rows affected (1.261 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 Eko Prayogo	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
	11	Azie	Jl. Apel 01
	12	Mela	Jl. Naga 02
	13	Sari	Jl. Duren 03
	14	Hafshah	Jl. Manggis 04
	15	Fitri	Jl. Duku 05
	16	Afifah	Jl. Sukowati 06
	17	Aulia	Jl. Pattimura 07
	18	Septin	Jl. Cut Nya Din 08
	19	Cahya	Jl. Mawar 09
	20	Wahyu	Jl. Hassanudin 10

```
20 rows in set (0.113 sec)
```

## 2. Cabang\_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang, nama_cabang, alamat_cabang) VALUES ('BRUA', 'Bank Rut Unit Ambon', 'Jl. Raya Sukowati 99'),('BRUC', 'Bank Rut Unit Ciamis', 'Jl. pegangsaan 34'),('BRUD', 'Bank Rut Depok', 'Jl. Kemayoran 90'),('BRUT', 'Bank Rut Tasikmalaya', 'Jl. Kenanga 45'),('BRUP', 'Bank Rut Pekalongan', 'Jl. Soekarno 7'),('BRUL', 'Bank Rut Lubuklinggau', 'Jl. Ir.Juanda 22'),('BRUJ', 'Bank Rut Jayapura', 'Jl. Tulip 39'),('BRUG', 'Bank Rut Gorontalo', 'Jl. Kasih Ibu 34'),('BRUR', 'Bank Rut Makassar', 'Jl. Sutopo 55'),('BRUO', 'Bank Rut Cilegon', 'Jl. Jendral Sudirman');
```

```
Query OK, 10 rows affected (0.150 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> SELECT*FROM cabang_bank;
```

	kode_cabang	nama_cabang	alamat_cabang
	BRUA	Bank Rut Unit Ambon	Jl. Raya Sukowati 99
	BRUB	Bank Rut Unit Boyolali	Jl. Ahmad Yani 45
	BRUC	Bank Rut Unit Ciamis	Jl. pegangsaan 34
	BRUD	Bank Rut Depok	Jl. Kemayoran 90
	BRUG	Bank Rut Gorontalo	Jl. Kasih Ibu 34
	BRUJ	Bank Rut Jayapura	Jl. Tulip 39
	BRUK	Bank Rut Unit Klaten	Jl. Suparman 23
	BRUL	Bank Rut Lubuklinggau	Jl. Ir.Juanda 22
	BRUO	Bank Rut Cilegon	Jl. Jendral Sudirman
	BRUP	Bank Rut Pekalongan	Jl. Soekarno 7
	BRUR	Bank Rut Makassar	Jl. Sutopo 55
	BRUS	Bank Rut Unit Surakarta	Jl. Slamet Riyadi 18
	BRUT	Bank Rut Tasikmalaya	Jl. Kenanga 45
	BRUW	Bank Rut Unit Wonogiri	Jalan A. Yani No.23
	BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

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

## 3. Rekening

```
MariaDB [perbankan]> INSERT INTO rekening (no_rekening, kode_cabangFK, pin, saldo) VALUES (114, 'BRUO', 9999, 50000),(115, 'BRUR', 1122, 50000),(116, 'BRUG', 2211, 100000),(117, 'BRUJ', 2143, 150000),(118, 'BRUL', 6767, 1000000),(119, 'BRUP', 9090, 100000),(120, 'BRUT', 5656, 350000),(121, 'BRUD', 3434, 50000),(122, 'BRUC', 8787, 150000),(123, 'BRUA', 6543, 200000);
```

```
Query OK, 10 rows affected (0.208 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 | BRUO | 9999 | 50000 |
| 115 | BRUR | 1122 | 50000 |
| 116 | BRUG | 2211 | 100000 |
| 117 | BRUJ | 2143 | 150000 |
| 118 | BRUL | 6767 | 1000000 |
| 119 | BRUP | 9090 | 100000 |
| 120 | BRUT | 5656 | 350000 |
| 121 | BRUD | 3434 | 50000 |
| 122 | BRUC | 8787 | 150000 |
| 123 | BRUA | 6543 | 200000 |
+-----+-----+-----+-----+
23 rows in set (0.071 sec)

```

#### 4. 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 (0.118 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 |
| 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 |
+-----+-----+
24 rows in set (0.001 sec)

```

### #Table Transaksi

#### 1. Transaksi



```

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES (
31, 114, 11, 'debit', '2009-12-7', 100000),(32, 104, 1, 'debit', '2009-12-8', 50000),(33, 107, 4, 'kredit', '2009-12-9', 200000),
(34, 105, 3, 'debit', '2009-12-9', 40000),(35, 114, 11, 'kredit', '2009-12-10', 100000),(36, 101, 4, 'kredit', '2009-12-11', 2000
0),(37, 123, 20, 'debit', '2009-12-12', 50000),(38, 102, 5, 'debit', '2009-12-13', 50000),(39, 108, 10, 'debit', '2009-12-14', 10
0000),(40, 106, 3, 'kredit', '2009-12-15', 50000),(41, 123, 20, 'kredit', '2009-12-16', 200000),(42, 105, 3, 'kredit', '2009-12-1
7', 100000),(43, 102, 5, 'debit', '2009-12-18', 20000),(44, 114, 11, 'debit', '2009-12-19', 50000),(45, 123, 20, 'debit', '2009-1
2-20', 40000),(46, 101, 4, 'debit', '2009-12-21', 50000),(47, 123, 20, 'kredit', '2009-12-22', 100000),(48, 102, 5, 'kredit', '20
09-12-23', 200000),(49, 120, 17, 'debit', '2009-12-24', 100000),(50, 122, 19, 'debit', '2009-12-25', 20000);
Query OK, 20 rows affected (0.164 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	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
31	11	114	debit	2009-12-07 00:00:00	100000
32	1	104	debit	2009-12-08 00:00:00	50000
33	4	107	kredit	2009-12-09 00:00:00	200000
34	3	105	debit	2009-12-09 00:00:00	40000
35	11	114	kredit	2009-12-10 00:00:00	100000
36	4	101	kredit	2009-12-11 00:00:00	20000
37	20	123	debit	2009-12-12 00:00:00	50000
38	5	102	debit	2009-12-13 00:00:00	50000
39	10	108	debit	2009-12-14 00:00:00	100000
40	3	106	kredit	2009-12-15 00:00:00	50000
41	20	123	kredit	2009-12-16 00:00:00	200000
42	3	105	kredit	2009-12-17 00:00:00	100000
43	5	102	debit	2009-12-18 00:00:00	20000
44	11	114	debit	2009-12-19 00:00:00	50000
45	20	123	debit	2009-12-20 00:00:00	40000
46	4	101	debit	2009-12-21 00:00:00	50000
47	20	123	kredit	2009-12-22 00:00:00	100000
48	5	102	kredit	2009-12-23 00:00:00	200000
49	17	120	debit	2009-12-24 00:00:00	100000
50	19	122	debit	2009-12-25 00:00:00	20000

```

50 rows in set (0.301 sec)

```

