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Mengisi (Insert) data pada table nasabah

```
XAMPP for Windows - mysql -u root -p
Setting environment for using XAMPP for Windows.
ASUS@LAPTOP-6K5IOZL1 e:\xampp
# mysql -u root -p
Enter password:
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.

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(1, 'Sutopo', 'Jl. Jendral Sudirman 12');
Query OK, 1 row affected (0.440 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(2, 'Maryati', 'Jl. MT. Haryono 31');
Query OK, 1 row affected (0.239 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(3, 'Suparman', 'Jl. Hasanudin 81');
Query OK, 1 row affected (0.040 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(4, 'Kartika Padmasari', 'Jl. Manggis 15');
Query OK, 1 row affected (0.031 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 (0.027 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 (0.025 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(7, 'Indri Hapsari', 'Jl. Sutoyo 5');
Query OK, 1 row affected (0.022 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(8, 'Sari Murti', 'Jl. Pangandaran 11');
Query OK, 1 row affected (0.086 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(9, 'Canka Lokananta', 'Jl. Tidar 86');
Query OK, 1 row affected (0.070 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(10, 'Budi Murtono', 'Jl. Merak 22');
Query OK, 1 row affected (0.018 sec)
```

Menampilkan data table nasabah

```
XAMPP for Windows - mysql -u root -p
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 (0.082 sec)

MariaDB [perbankan]> _
```

Mengisi (Insert) data pada table nasabah

```
XAMPP for Windows - 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 (0.147 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 (0.070 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 (0.040 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 (0.036 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 (0.035 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES('BRUN', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12');
Query OK, 1 row affected (0.028 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 |
| BRUN       | Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

Mengisi (Insert) data table rekening

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabang, pin, saldo) VALUES(101, 'BRUS', 1111, 500000);
ERROR 1054 (42S22): Unknown column 'kode_cabang' in 'field list'
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(101, 'BRUS', 1111, 500000);
Query OK, 1 row affected (0.082 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(102, 'BRUS', 2222, 350000);
Query OK, 1 row affected (0.064 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(103, 'BRUS', 3333, 750000);
Query OK, 1 row affected (0.018 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(104, 'BRUM', 4444, 900000);
Query OK, 1 row affected (0.026 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(105, 'BRUM', 5555, 2000000);
Query OK, 1 row affected (0.021 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(106, 'BRUS', 6666, 3000000);
Query OK, 1 row affected (0.028 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(107, 'BRUS', 7777, 1000000);
Query OK, 1 row affected (0.023 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(108, 'BRUB', 0000, 5000000);
Query OK, 1 row affected (0.139 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(109, 'BRUB', 9999, 0);
Query OK, 1 row affected (0.024 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(110, 'BRUY', 1234, 550000);
Query OK, 1 row affected (0.249 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(110, 'BRUK', 4321, 150000);
ERROR 1062 (23000): Duplicate entry '110' for key 'PRIMARY'
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(111, 'BRUK', 4321, 150000);
Query OK, 1 row affected (0.030 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(112, 'BRUK', 0123, 300000);
Query OK, 1 row affected (0.028 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(113, 'BRUY', 8888, 250000);
Query OK, 1 row affected (0.038 sec)
```

Menampilkan data table rekening

```
XAMPP for Windows - mysql -u root -p
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 | 250000 |
+-----+-----+-----+-----+
13 rows in set (0.001 sec)

MariaDB [perbankan]>
```

Mengisi (Insert) data pada table nasabah_has_rekening

```
XAMPP for Windows - mysql -u root -p
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 (0.226 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)

MariaDB [perbankan]>
```

Mengisi (Insert) data pada table transaksi

```
XAMPP for Windows - 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 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 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),
-> (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);
Query OK, 6 rows affected (0.018 sec)
Records: 6 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (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", 100000),
-> (16, 101, 4, 'kredit', "2009-11-22", 20000),
-> (17, 103, 2, 'debit', "2009-11-22", 50000),
-> (18, 102, 5, 'debit', "2009-11-25", 50000);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ''debit'', '2009-11-19', 100000), (12, 104, 1, 'debit', '2009-11-19', 50000), (13, ' at line 4
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (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);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(11, 103, 2, 'debit', '2009-11-19', 100000), (12, 104, 1, 'debit', '2009-11-19', ' at line 4
MariaDB [perbankan]>
```

```
XAMPP for Windows - 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 |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.001 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),
-> (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', 100000),
-> (16, 101, 4, 'kredit', '2009-11-22', 20000),
-> (17, 103, 2, 'debit', '2009-11-22', 50000),
-> (18, 102, 5, 'debit', '2009-11-25', 50000);
Query OK, 10 rows affected (0.038 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (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, 12 rows affected (0.024 sec)
Records: 12 Duplicates: 0 Warnings: 0
```

```
XAMPP for Windows - 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 (0.001 sec)

MariaDB [perbankan]>
```


6. Update

a.

```
XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1          | Setopo       | Jl. Jendral Sudirman 12 |
| 2          | Maryati     | Rt. Maryono 15 |
| 3          | Suparman    | Hutanadiri 31 |
| 4          | Kartika Padmasari | Manggala 15 |
| 5          | Budi Eko Prayogo | Kartili 36 |
| 6          | Salvia Ika Ayu | Slamet Riyadi 45 |
| 7          | Indri Supari | Slamet Riyadi 34 |
| 8          | Sari Purti   | Pangandaran 15 |
| 9          | Cakra Lokananta | Tidar 90 |
| 10         | Budi Hartono | Perak 22 |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [perbankan]> UPDATE nasabah SET alamat_nasabah = 'Jl. Slamet Riyadi 37' WHERE nama_nasabah = 'Indri Supari';
Query OK, 1 row affected (0.059 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1          | Setopo       | Jl. Jendral Sudirman 12 |
| 2          | Maryati     | Rt. Maryono 15 |
| 3          | Suparman    | Hutanadiri 31 |
| 4          | Kartika Padmasari | Manggala 15 |
| 5          | Budi Eko Prayogo | Kartili 36 |
| 6          | Salvia Ika Ayu | Slamet Riyadi 45 |
| 7          | Indri Supari | Slamet Riyadi 34 |
| 8          | Sari Purti   | Pangandaran 15 |
| 9          | Cakra Lokananta | Tidar 90 |
| 10         | Budi Hartono | Perak 22 |
+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [perbankan]>
```

b.

```
XAMPP for Windows - mysql -u root -p

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 |
| BRUN       | Bank Rut Unit Wonogiri | Jl. Untung Surapati 12 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.001 sec)

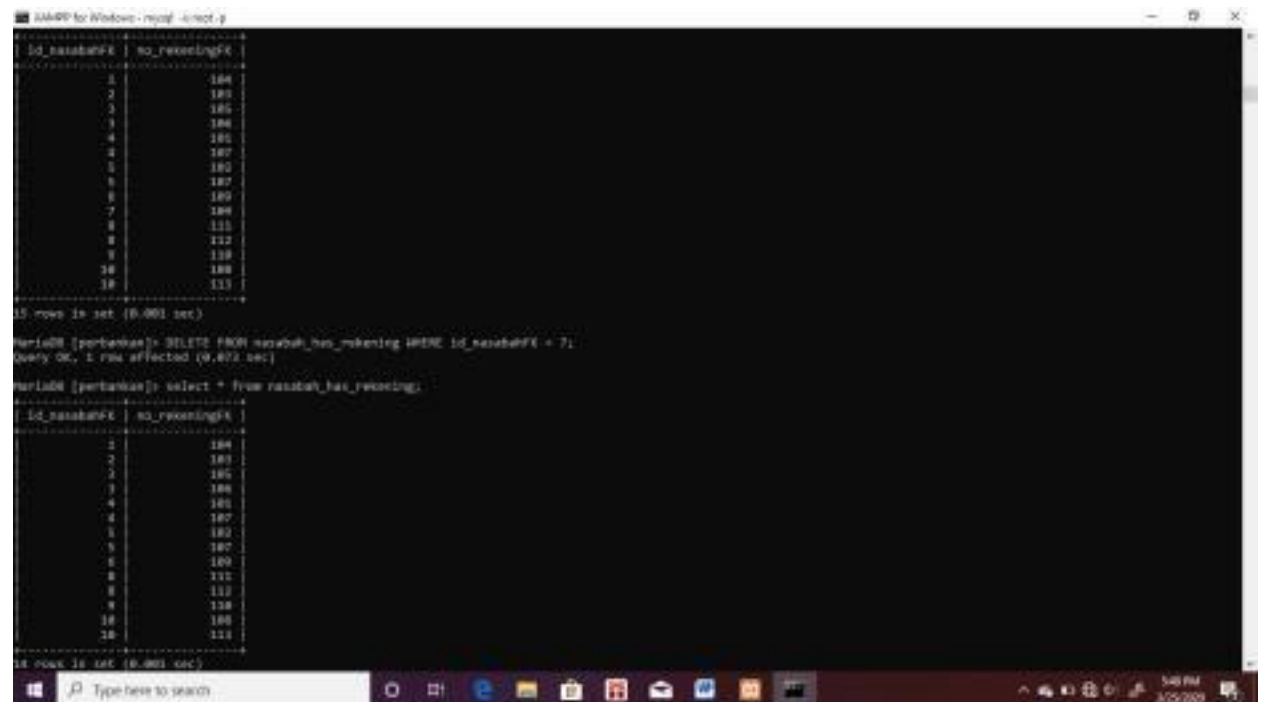
MariaDB [perbankan]> UPDATE cabang_bank SET alamat_cabang = 'Jl. Ahmad Yani 23' WHERE kode_cabang = 'BRUM';
Query OK, 1 row affected (0.496 sec)
Rows matched: 1 Changed: 1 Warnings: 0

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 |
| BRUN       | Bank Rut Unit Wonogiri | Jl. Ahmad Yani 23 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [perbankan]>
```

7. Penghapusan data

a.

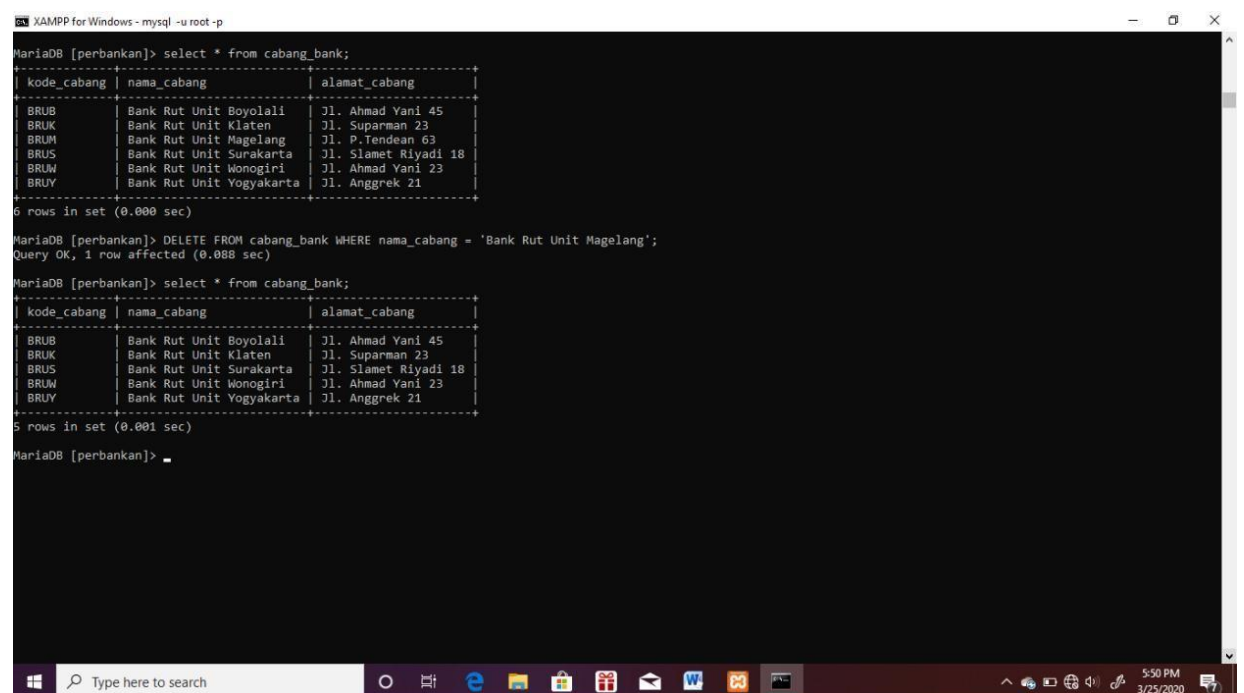


```
XAMPP for Windows - mysql -u root -p
MariaDB [(perbankan)]> select * from rasabah_has_rekening;
+-----+-----+
| id_rasabahFK | no_rekeningFK |
+-----+-----+
| 1            | 104           |
| 2            | 105           |
| 3            | 106           |
| 4            | 107           |
| 5            | 108           |
| 6            | 109           |
| 7            | 110           |
| 8            | 111           |
| 9            | 112           |
| 10           | 113           |
+-----+-----+
15 rows in set (0.001 sec)

MariaDB [(perbankan)]> DELETE FROM rasabah_has_rekening WHERE id_rasabahFK = 7;
Query OK, 1 row affected (0.072 sec)

MariaDB [(perbankan)]> select * from rasabah_has_rekening;
+-----+-----+
| id_rasabahFK | no_rekeningFK |
+-----+-----+
| 1            | 104           |
| 2            | 105           |
| 3            | 106           |
| 4            | 107           |
| 5            | 108           |
| 6            | 109           |
| 8            | 111           |
| 9            | 112           |
| 10           | 113           |
+-----+-----+
14 rows in set (0.001 sec)
```

b.



```
XAMPP for Windows - mysql -u root -p
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 | Jl. Ahmad Yani 23 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21   |
+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [(perbankan)]> DELETE FROM cabang_bank WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.088 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 | Jl. Ahmad Yani 23 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21   |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [(perbankan)]>
```

TUGAS

10 Record tambahan pada masing-masing table master (nasabah, cabang_bank, rekening, nasabah_has_rekening)

```
XAMPP for Windows - mysql -u root -p

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (11, 'Sutomo', 'Jl. Mangga 20'),
-> (12, 'Superman', 'Jl. Jeruk 2'),
-> (13, 'Paijo', 'Jl. Anggur 41'),
-> (14, 'Winarno', 'Jl. Apel 13'),
-> (15, 'Wahyu', 'Jl. Semangka 17'),
-> (16, 'Tika', 'Jl. Mangka 43'),
-> (17, 'Faridha', 'Jl. Kiwi 56'),
-> (18, 'Purnama', 'Jl. Srikaya 00'),
-> (19, 'Kurnia', 'Jl. Jambu 88'),
-> (20, 'Ramadhan', 'Jl. Duku 15');
Query OK, 10 rows affected (0.337 sec)
Records: 10 Duplicates: 0 Warnings: 0

XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BRUC', 'Bank Rut Unit Cilacap', 'Jl. Soedirman 11'),
-> ('BRUT', 'Bank Rut Unit Tawangmangu', 'Jl. Cut Nyak Dien 91'),
-> ('BRUE', 'Bank Rut Unit Ende', 'Jl. Diponegoro 10'),
-> ('BRUR', 'Bank Rut Unit Rembang', 'Jl. Kartini 07'),
-> ('BRUA', 'Bank Rut Unit Aceh', 'Jl. Iskandar Muda 24'),
-> ('BRUD', 'Bank Rut Unit Demak', 'Jl. Pattimura 35'),
-> ('BRUG', 'Bank Rut Unit Gunung Kidul', 'Jl. Sutomo 17'),
-> ('BRUJ', 'Bank Rut Unit Jakarta', 'Jl. Martha Christina 73'),
-> ('BRUL', 'Bank Rut Unit Lampung', 'Jl. Teuku Umar 26'),
-> ('BRUP', 'Bank Rut Unit Palembang', 'Jl. Achmad Soebardjo 65');
Query OK, 10 rows affected (0.063 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES
-> (114, 'BRUC', 7896, 280000),
-> (115, 'BRUE', 1999, 500000),
-> (116, 'BRUD', 1998, 1000000),
-> (117, 'BRUP', 2002, 700000),
-> (118, 'BRUC', 1122, 560000),
-> (119, 'BRUA', 3344, 200000),
-> (120, 'BRUL', 5566, 80000),
-> (121, 'BRUD', 7788, 60000),
-> (122, 'BRUT', 9900, 90000),
-> (123, 'BRUR', 1312, 350000);
Query OK, 10 rows affected (0.221 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES
-> (11, 115),
-> (12, 119),
-> (13, 114),
-> (14, 120),
-> (15, 116),
-> (16, 122),
-> (17, 117),
-> (18, 121),
-> (19, 118),
-> (20, 123);
Query OK, 10 rows affected (0.254 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> _
```


20 record tambahan pada table transaksi

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (31, 115, 10, 'debit', '2010-01-01', 100000),
-> (32, 120, 14, 'debit', '2010-01-01', 150000),
-> (33, 121, 13, 'kredit', '2010-01-02', 1000000),
-> (34, 123, 20, 'debit', '2010-01-02', 70000),
-> (35, 122, 16, 'debit', '2010-01-03', 78000),
-> (36, 114, 13, 'kredit', '2010-01-03', 800000),
-> (37, 118, 19, 'kredit', '2010-01-04', 170000),
-> (38, 122, 16, 'kredit', '2010-01-05', 190000),
-> (39, 117, 17, 'debit', '2010-01-05', 90000),
-> (40, 116, 15, 'kredit', '2010-01-06', 560000),
-> (41, 119, 12, 'debit', '2010-01-06', 61000),
-> (42, 115, 11, 'kredit', '2010-01-06', 590000),
-> (43, 121, 18, 'debit', '2010-01-07', 120000),
-> (44, 117, 17, 'debit', '2010-01-07', 90000),
-> (45, 120, 14, 'debit', '2010-01-07', 100000),
-> (46, 116, 15, 'kredit', '2010-01-08', 500000),
-> (47, 119, 12, 'debit', '2010-01-09', 890000),
-> (48, 114, 13, 'kredit', '2010-01-09', 170000),
-> (49, 118, 19, 'kredit', '2010-01-10', 350000),
-> (50, 117, 17, 'debit', '2010-01-10', 1000000);
Query OK, 20 rows affected (0.093 sec)
Records: 20 Duplicates: 0 Warnings: 0

MariaDB [perbankan]>
```

Show table

```
XAMPP for Windows - mysql -u root -p
-----
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 Hurnono | Jl. Merak 22 |
11 | Sutomo | Jl. Mangga 20 |
12 | Suparman | Jl. Jeruk 2 |
13 | Paijo | Jl. Anggur 41 |
14 | Winarno | Jl. Apel 13 |
15 | Wahyu | Jl. Semangka 17 |
16 | Tika | Jl. Nangka 43 |
17 | Faridha | Jl. Kiwi 56 |
18 | Purnama | Jl. Srikaya 09 |
19 | Kurnia | Jl. Jambu 88 |
20 | Ramadhan | Jl. Duku 15 |
-----
20 rows in set (0.001 sec)

MariaDB [perbankan]> select * from cabang_bank;
-----
| kode_cabang | nama_cabang | alamat_cabang |
-----
| BRUA | Bank Rut Unit Aceh | Jl. Iskandar Muda 24 |
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| BRUC | Bank Rut Unit Cilacap | Jl. Soedinman 11 |
| BRUD | Bank Rut Unit Demak | Jl. Pattimura 35 |
| BRUE | Bank Rut Unit Ende | Jl. Diponegoro 10 |
| BRUG | Bank Rut Unit Gunung Kidul | Jl. Sutomo 17 |
| BRUJ | Bank Rut Unit Jakarta | Jl. Martha Christina 73 |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUL | Bank Rut Unit Lampung | Jl. Teuku Umar 26 |
| BRUP | Bank Rut Unit Palembang | Jl. Achmad Soebardjo 65 |
| BRUR | Bank Rut Unit Rembang | Jl. Kartini 07 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUT | Bank Rut Unit Tawangmangu | Jl. Cut Nyak Dien 91 |
| BRUW | Bank Rut Unit Wonogiri | Jl. Ahmad Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
-----
```

```
XAMPP for Windows - mysql -u root -p
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	BRUC	7896	200000
115	BRUE	1999	500000
116	BRUJ	1908	1000000
117	BRUP	2002	700000
118	BRUC	1122	500000
119	BRUA	3344	200000
120	BRUL	5566	80000
121	BRUD	7788	600000
122	BRUT	9900	90000
123	BRUR	1312	350000

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

```
XAMPP for Windows - mysql -u root -p
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	115
12	119
13	114
14	120
15	116
16	122
17	117
18	121
19	118
20	123

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

```
XAMPP for Windows - 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	3	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	10	115	debit	2010-01-01 00:00:00	100000
32	14	120	debit	2010-01-01 00:00:00	150000
33	18	121	kredit	2010-01-02 00:00:00	100000
34	20	123	debit	2010-01-02 00:00:00	70000
35	16	122	debit	2010-01-03 00:00:00	70000
36	13	114	kredit	2010-01-03 00:00:00	800000
37	19	118	kredit	2010-01-04 00:00:00	170000
38	16	122	kredit	2010-01-05 00:00:00	190000
39	17	117	debit	2010-01-05 00:00:00	90000
40	15	116	kredit	2010-01-06 00:00:00	500000

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

41	12	119	debit	2010-01-06 00:00:00	61000
42	11	115	kredit	2010-01-06 00:00:00	500000
43	18	121	debit	2010-01-07 00:00:00	120000
44	17	117	debit	2010-01-07 00:00:00	90000
45	14	120	debit	2010-01-07 00:00:00	100000
46	15	116	kredit	2010-01-08 00:00:00	500000
47	12	119	debit	2010-01-09 00:00:00	890000
48	13	114	kredit	2010-01-09 00:00:00	170000
49	10	118	kredit	2010-01-10 00:00:00	350000
50	17	117	debit	2010-01-10 00:00:00	1000000