

MODUL 5

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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-6K5IO2L1 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

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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. Jenderal 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 38 |
| 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, 255000);
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 | 255000 |
+-----+-----+-----+-----+
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', 20000),
-> (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          | 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)

MariaDB [perbankan]> UPDATE nasabah SET alamat_nasabah = 'Jl. Slamet Riyadi 34' WHERE nama_nasabah = 'Indri Hapsari';
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          | 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 (0.000 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 |
| BRUW       | 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]> UPDATE cabang_bank SET alamat_cabang = 'Jl. Ahmad Yani 23' WHERE kode_cabang = 'BRUN';
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
+----+-----+
| 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)

MariaDB [perbankan]> DELETE FROM nasabah_has_rekening WHERE id_nasabahFK = 7;
Query OK, 1 row affected (0.073 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.

```
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 |
| 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. Suparman 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, '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 89'),
-> (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, 'BRUJ', 1998, 1000000),
-> (117, 'BRUP', 2002, 700000),
-> (118, 'BRUC', 1122, 560000),
-> (119, 'BRUA', 3344, 200000),
-> (120, 'BRUL', 5566, 80000),
-> (121, 'BRUD', 7788, 680000),
-> (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, 18, 'kredit', '2010-01-02', 100000),
-> (34, 123, 20, 'debit', '2010-01-02', 70000),
-> (35, 122, 16, 'debit', '2010-01-03', 70000),
-> (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', 500000),
-> (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 Murtono | 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. Srikeya 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. Soediman 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 | BRUD | 1998 | 1000000 |
| 117 | BRUP | 2002 | 700000 |
| 118 | BRUC | 1122 | 560000 |
| 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 | 103 | 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 | 10 | 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 | 78000 |
| 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 | 560000 |

XAMPP for Windows - mysql -u root -p

| | | | | | |
|----|----|-----|--------|---------------------|---------|
| 41 | 12 | 119 | debit | 2010-01-06 00:00:00 | 61000 |
| 42 | 11 | 115 | kredit | 2010-01-06 00:00:00 | 590000 |
| 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 | 19 | 118 | kredit | 2010-01-10 00:00:00 | 350000 |
| 50 | 17 | 117 | debit | 2010-01-10 00:00:00 | 1000000 |

50 rows in set (0.001 sec)