NAMA   : FAKHAR SWASTIKA AL-BAIHAQI

NIM   : L200180183

KELAS   : G

MODUL 5

Tabel : nasabah

```
C:\Users\Acer>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 2
Server version: 10.1.38-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 (0.40 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(2, 'Maryati', 'Jl. MT. Haryono 31');
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(3, 'Suparman', 'Jl. Hasanudin 81');
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(4, 'Kartika Padmasari', 'Jl. Manggis 15');
Query OK, 1 row affected (0.38 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 (0.18 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 (0.15 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(7, 'Indri Hapsari', 'Jl. Sutoyo 5');
Query OK, 1 row affected (0.13 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(8, 'Sari Murti', 'Jl. Pangandaran');
Query OK, 1 row affected (0.14 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(9, 'Canka Lokananda', 'Jl. Tidar 86');
Query OK, 1 row affected (0.12 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(10, 'Budi Murtono', 'Jl. Merak 22');
Query OK, 1 row affected (0.16 sec)
```

```
MariaDB [perbankan]> SELECT * FROM nasabah
    -> ;
+------------+-------------------+-------------------------+
| id_nasabah | nama_nasabah      | alamat_nasabah          |
+------------+-------------------+-------------------------+
|          1 | Sutopo            | Jl. Jendral Sudirman 12 |
|          2 | Maryati           | Jl. MT. Haryono 31      |
|          3 | Suparman          | Jl. Hasanudin 81        |
|          4 | Kartika Padmasari | Jl. Manggis 15          |
|          5 | Budi Eko Prayogo  | Jl. Kantil 30           |
|          6 | Satria Eka Jaya   | Jl. Slamet Riyadi 45    |
|          7 | Indri Hapsari     | Jl. Sutoyo 5            |
|          8 | Sari Murti        | Jl. Pangadaran 11       |
|          9 | Canka Lokananda   | Jl. Tidar 86            |
|         10 | Budi Murtono      | Jl. Merak 22            |
+------------+-------------------+-------------------------+
10 rows in set (0.00 sec)
```

Tabel : cabang_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18');
Query OK, 1 row affected (0.15 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 (0.21 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES('BRUB', 'Bank Rut Unit Boyolali', 'Jl. Ahmad Yani 43');
Query OK, 1 row affected (0.19 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 (0.10 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 (0.06 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES('BRUW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12');
Query OK, 1 row affected (0.07 sec)
```

```
MariaDB [perbankan]> SELECT * FROM cabang_bank;
+-------------+--------------------------+-------------------------+
| kode_cabang | nama_cabang              | alamat_cabang           |
+-------------+--------------------------+-------------------------+
| BRUB        | Bank Rut Unit Boyolali   | Jl. Ahmad Yani 43       |
| 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 (0.00 sec)
```

Tabel : rekening

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(101, 'BRUS', '1111', 500000);
Query OK, 1 row affected (0.08 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(102, 'BRUS', '2222', 350000);
Query OK, 1 row affected (0.07 sec)
```

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(103, 'BRUS', '3333', 750000);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(104, 'BRUM', '4444', 900000);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(105, 'BRUM', '5555', 2000000);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(106, 'BRUS', '6666', 3000000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(107, 'BRUS', '7777', 1000000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(108, 'BRUB', '0000', 5000000);
Query OK, 1 row affected (0.12 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(109, 'BRUB', '9999', 0);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(110, 'BRUY', '1234', 550000);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(111, 'BRUK', '4321', 150000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(112, 'BRUK', '0123', 300000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(113, 'BRUY', '8888', 255000);
Query OK, 1 row affected (0.07 sec)
```

```
MariaDB [perbankan]> SELECT * FROM rekening;
+-------------+---------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+-------------+---------------+------+---------+
|         101 | BRUS          | 1111 |  500000 |
|         102 | BRUS          | 2222 |  350000 |
|         103 | BRUS          | 3333 |  750000 |
|         104 | BRUM          | 4444 |  900000 |
|         105 | BRUM          | 5555 | 2000000 |
|         106 | BRUS          | 6666 | 3000000 |
|         107 | BRUS          | 7777 | 1000000 |
|         108 | BRUB          | 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 (0.00 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 (0.14 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 (0.00 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 (0.13 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           | 2020-03-26 10:40:59 |  50000 |
|            2 |            2 |           103 | debit           | 2020-03-26 10:40:59 |  40000 |
|            3 |            4 |           101 | kredit          | 2020-03-26 10:40:59 |  20000 |
|            4 |            3 |           106 | debit           | 2020-03-26 10:40:59 |  50000 |
|            5 |            5 |           107 | kredit          | 2020-03-26 10:40:59 |  30000 |
|            6 |            1 |           104 | kredit          | 2020-03-26 10:40:59 | 200000 |
|            7 |            9 |           110 | kredit          | 2020-03-26 10:40:59 | 150000 |
|            8 |            5 |           102 | debit           | 2020-03-26 10:40:59 |  20000 |
|            9 |            3 |           105 | kredit          | 2020-03-26 10:40:59 |  50000 |
|           10 |            4 |           107 | debit           | 2020-03-26 10:40:59 | 100000 |
|           11 |            2 |           103 | debit           | 2020-03-26 10:40:59 | 100000 |
|           12 |            1 |           104 | debit           | 2020-03-26 10:40:59 |  50000 |
|           13 |            4 |           107 | kredit          | 2020-03-26 10:40:59 | 200000 |
|           14 |            3 |           105 | debit           | 2020-03-26 10:40:59 |  40000 |
|           15 |            1 |           104 | kredit          | 2020-03-26 10:40:59 | 100000 |
|           16 |            4 |           101 | kredit          | 2020-03-26 10:40:59 |  20000 |
|           17 |            2 |           103 | debit           | 2020-03-26 10:40:59 |  50000 |
|           18 |            5 |           102 | debit           | 2020-03-26 10:40:59 |  50000 |
|           19 |           10 |           108 | debit           | 2020-03-26 10:40:59 | 100000 |
|           20 |            3 |           106 | kredit          | 2020-03-26 10:40:59 |  50000 |
|           21 |            2 |           103 | kredit          | 2020-03-26 10:40:59 | 200000 |
|           22 |            3 |           105 | kredit          | 2020-03-26 10:40:59 | 100000 |
|           23 |            5 |           102 | debit           | 2020-03-26 10:40:59 |  20000 |
|           24 |            1 |           104 | debit           | 2020-03-26 10:40:59 |  50000 |
|           25 |            2 |           103 | debit           | 2020-03-26 10:40:59 |  40000 |
|           26 |            4 |           101 | debit           | 2020-03-26 10:40:59 |  50000 |
|           27 |            2 |           103 | kredit          | 2020-03-26 10:40:59 | 100000 |
|           28 |            5 |           102 | kredit          | 2020-03-26 10:40:59 | 200000 |
|           29 |            7 |           109 | debit           | 2020-03-26 10:40:59 | 100000 |
|           30 |            9 |           110 | debit           | 2020-03-26 10:40:59 |  20000 |
+--------------+--------------+---------------+-----------------+---------------------+--------+
30 rows in set (0.00 sec)
```

6.

```
MariaDB [perbankan]> UPDATE nasabah SET alamat_nasabah = 'Jl. Slamet Riyadi 35' WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> UPDATE cabang_bank SET alamat_cabang = 'Jl. Ahmad Yani 23' WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.10 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

7.

```
MariaDB [perbankan]> DELETE FROM nasabah WHERE id_nasabah = 7;
Query OK, 1 row affected (0.11 sec)

MariaDB [perbankan]> DELETE FROM cabang_bank WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.07 sec)
```