Laporan Praktikum Sistem Basis Data

NIM   : L200180014
Nama : Andika Wirapala F. A.
Modul : 5

LATIHAN NASABAH

```
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> show databases;
+--------------------+
| Database           |
+--------------------+
| datakuliah         |
| information_schema |
| mysql              |
| perbankan          |
| performance_schema |
| phpmyadmin         |
| test               |
+--------------------+
7 rows in set (0.001 sec)

MariaDB [perbankan]> show tables;
+---------------------+
| Tables_in_perbankan |
+---------------------+
| cabang_bank         |
| nasabah             |
| nasabah_has_rekening|
| rekening            |
| transaksi           |
+---------------------+
5 rows in set (0.001 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah
    -> ;
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 '' at line 4

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(1, 'Sutopo', 'Jl.Jenderal Sudirman 12');
Query OK, 1 row affected (0.116 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUES(3, 'Suparman', 'Jl.Hasanuddin 81');
Query OK, 1 row affected (0.054 sec)

MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUES(4, 'Kartika Padmasari', 'Jl.Manggis 15');
Query OK, 1 row affected (0.041 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUES(5, 'Budi Eko Prayoga', 'Jl.Kantil 30');
Query OK, 1 row affected (0.054 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 (0.042 sec)
```

Select Command Prompt - mysql -u root -p

```
MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUES(7, 'Indri Hapsari', 'Jl.Sutoyo 5');
Query OK, 1 row affected (0.059 sec)

MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUES(8, 'Sari Murti', 'Jl.Pangandaran 11');
Query OK, 1 row affected (0.039 sec)

MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUES(9, 'Canka Lokananta', 'Jl.Tidar 86');
Query OK, 1 row affected (0.044 sec)

MariaDB [perbankan]> INSERT INTO nasabah(
    -> id_nasabah,
    -> nama_nasabah,
    -> alamat_nasabah)
    -> VALUE(10, 'Budi Martono', 'Jl.Merak 22');
Query OK, 1 row affected (0.045 sec)
```

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 (0.056 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 (0.058 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 (0.028 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 (0.032 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(
    -> kode_cabang,
    -> nama_cabang,
    -> alamat_cabang)
    -> VALUES('BRUW', 'Bank Rut Unit Wonogiri', 'Jl.Untung Suropati 1
Query OK, 1 row affected (0.038 sec)
```

REKENING

```
MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(102, 'BRUS', 2222, 350000);
Query OK, 1 row affected (0.046 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(103, 'BRUS', 333, 750000);
Query OK, 1 row affected (0.038 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(104, 'BRUM', 4444, 900000);
Query OK, 1 row affected (0.012 sec)
```

```
MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(105, 'BRUM', 5555, 200000);
Query OK, 1 row affected (0.025 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(106, 'BRUS', 6666, 3000000);
Query OK, 1 row affected (0.014 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(107, 'BRUS', 7777, 1000000);
Query OK, 1 row affected (0.032 sec)
```

```
MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(108, 'BRUB', 0000, 5000000);
Query OK, 1 row affected (0.047 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(109, 'BRUB', 9999, 0);
Query OK, 1 row affected (0.022 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(110, 'BRUY', 1234, 550000);
Query OK, 1 row affected (0.018 sec)
```

```
MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(111, 'BRUK', 4321, 150000);
Query OK, 1 row affected (0.027 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(112, 'BRUK', 0123, 300000);
Query OK, 1 row affected (0.023 sec)

MariaDB [perbankan]> INSERT INTO rekening(
    -> no_rekening,
    -> kode_cabangFK,
    -> pin,
    -> saldo)
    -> VALUES(113, 'BRUY', 8888, 255000);
Query OK, 1 row affected (0.025 sec)
```

NASABAH_HAS_REKENING

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(1, 104);
Query OK, 1 row affected (0.042 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(2, 103);
Query OK, 1 row affected (0.052 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(3, 105);
Query OK, 1 row affected (0.026 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(3, 106);
Query OK, 1 row affected (0.013 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(4, 101);
Query OK, 1 row affected (0.021 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(4, 107);
Query OK, 1 row affected (0.043 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(5, 102);
Query OK, 1 row affected (0.027 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(5, 107);
Query OK, 1 row affected (0.026 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(7, 109);
Query OK, 1 row affected (0.030 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(8, 111);
Query OK, 1 row affected (0.025 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(9, 110);
Query OK, 1 row affected (0.016 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(10, 113);
Query OK, 1 row affected (0.022 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(8, 112);
Query OK, 1 row affected (0.011 sec)
```

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(
    -> id_nasabahFK,
    -> no_rekeningFK)
    -> VALUES(10, 108);
Query OK, 1 row affected (0.018 sec)
```

TRANSAKSI

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(1, 105, 3, 'debit', '2009-11-10', 50000);
Query OK, 1 row affected (0.054 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(2, 103, 2, 'debit', '2009-11-10', 40000);
Query OK, 1 row affected (0.038 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);
Query OK, 1 row affected (0.016 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(4, 106, 3, 'debit', '2009-11-13', 50000);
Query OK, 1 row affected (0.025 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(5, 107, 5, 'kredit', '2009-11-13', 30000);
Query OK, 1 row affected (0.024 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(6, 104, 1, 'kredit', '2009-11-15', 200000);
Query OK, 1 row affected (0.024 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(7, 110, 9, 'kredit', '2009-11-15', 150000);
Query OK, 1 row affected (0.038 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(8, 102, 5, 'debit', '2009-11-16', 20000);
Query OK, 1 row affected (0.043 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);
Query OK, 1 row affected (0.104 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(10, 107, 4, 'debit', '2009-11-19', 100000);
Query OK, 1 row affected (0.117 sec)
```

```
Command Prompt - mysql  -u root -p

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(11, 103, 2, 'debit', '2009-11-19', 100000);
Query OK, 1 row affected (0.129 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(12, 104, 1, 'debit', '2009-11-19', 50000);
Query OK, 1 row affected (0.061 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(13, 107, 4, 'kredit', '2009-11-20', 200000);
Query OK, 1 row affected (0.081 sec)
```

```
Select Command Prompt - mysql -u root -p

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(14, 105, 3, 'debit', '2009-11-21', 40000);
Query OK, 1 row affected (0.059 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(15, 104, 1, 'kredit', '2009-11-22', 100000);
Query OK, 1 row affected (0.060 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(16, 101, 4, 'kredit', '2009-11-22', 40000);
Query OK, 1 row affected (0.041 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(17, 103, 2, 'debit', '2009-11-22', 50000);
Query OK, 1 row affected (0.067 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(18, 102, 5, 'debit', '2009-11-25', 50000);
Query OK, 1 row affected (0.057 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(19, 108, 10, 'debit', '2009-11-26', 100000);
Query OK, 1 row affected (0.052 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(20, 106, 3, 'kredit', '2009-11-27', 50000);
Query OK, 1 row affected (0.056 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(21, 103, 2, 'kredit', '2009-11-28', 200000);
Query OK, 1 row affected (0.063 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(22, 105, 3, 'kredit', '2009-11-28', 100000);
Query OK, 1 row affected (0.036 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(23, 102, 5, 'debit', '2009-11-30', 20000);
Query OK, 1 row affected (0.042 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(24, 104, 1, 'debit', '2009-12-1', 50000);
Query OK, 1 row affected (0.048 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(25, 103, 2, 'debit', '2009-12-2', 40000);
Query OK, 1 row affected (0.061 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(26, 101, 4, 'debit', '2009-12-4', 50000);
Query OK, 1 row affected (0.045 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(27, 103, 2, 'kredit', '2009-12-5', 100000);
Query OK, 1 row affected (0.057 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(28, 102, 5, 'kredit', '2009-12-5', 200000);
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(29, 109, 7, 'debit', '2009-12-5', 100000);
Query OK, 1 row affected (0.043 sec)

MariaDB [perbankan]> INSERT INTO transaksi(
    -> no_transaksi,
    -> no_rekeningFK,
    -> id_nasabahFK,
    -> jenis_transaksi,
    -> tanggal,
    -> jumlah)
    -> VALUES(30, 110, 9, 'debit', '2009-12-6', 20000);
Query OK, 1 row affected (0.048 sec)
```

UPDATE KASUS

```
MariaDB [perbankan]> UPDATE nasabah
    -> SET alamat_nasabah = 'Jl.Slamet Riyadi No.34'
    -> WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.283 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> UPDATE cabang_bank
    -> SET alamat_cabang = 'Jl.Ahmad Yani No.23'
    -> WHERE kode_cabangFK = 'BRUW';
ERROR 1054 (42S22): Unknown column 'kode_cabangFK' in 'where clause'
MariaDB [perbankan]> UPDATE cabang_bank
    -> SET alamat_cabang = 'Jl.Ahmad Yani No.23'
    -> WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.105 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

PENGHAPUSAN

```
MariaDB [perbankan]> DELETE FROM nasabah
    -> WHERE id_nasabah =7;
Query OK, 1 row affected (0.107 sec)

MariaDB [perbankan]> DELETE FROM cabang_bank
    -> WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.082 sec)
```