MODUL 5

Praktikum Sistem Basis Data

Nama   : Muhammad Al Fatih

NIM   : L200160029

Kelas   : A

Tabel **nasabah**

```
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (1,"Sutopo","Jl. Jendral SUdirman 12");
Query OK, 1 row affected (0.08 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (2,"Maryati","Jl. MT. Haryono 31");
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (3,"Suparman","Jl. Hasanudin 81");
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (4,"Kartika Padmasari","Jl. Manggis 15");
Query OK, 1 row affected (0.08 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 (0.06 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 (0.09 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (7,"Indri Hapsari","Jl. Sutoyo 5");
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (8,"Sari Murti","Jl. Pangandaran 11");
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (9,"Canka Lokananta","Jl. Tidar 86");
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values (10,"Budi Murtono","Jl. Merak 22");
Query OK, 1 row affected (0.06 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. Pangandaran 11     |
|         9 | Canka Lokananta   | 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 (0.09 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 (0.07 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 (0.04 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 (0.08 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 (0.14 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 (0.08 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    |
| 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 (0.06 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (104,"BRUM",4444,900000);
Query OK, 1 row affected (0.08 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (105,"BRUM",5555,2000000);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (106,"BRUS",6666,3000000);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (107,"BRUS",7777,1000000);
Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (108,"BRUB",0000,5000000);
Query OK, 1 row affected (0.08 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (109,"BRUB",9999,0);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (110,"BRUY",1234,550000);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (111,"BRUK",4321,150000);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values (112,"BRUK",0123,300000);
Query OK, 1 row affected (0.08 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          | 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 (0.00 sec)
```

Tabel nasabah_has_rekening

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (1,104);
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (2,103);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (3,105);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (3,106);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (4,101);
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (4,107);
Query OK, 1 row affected (0.08 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (5,102);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (5,107);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (6,109);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (7,109);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (8,111);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (9,110);
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (10,113);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (8,112);
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values (10,108);
Query OK, 1 row affected (0.06 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 |
|            7 |           109 |
|            8 |           111 |
|            8 |           112 |
|            9 |           110 |
|           10 |           108 |
|           10 |           113 |
+--------------+---------------+
15 rows in set (0.00 sec)

MariaDB [perbankan]>
```

Tabel **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 (0.08 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 (0.09 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 (0.08 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 (0.07 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 (0.05 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 (0.07 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 (0.07 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 (0.06 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 (0.03 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 (0.05 sec)

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 (0.08 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 (0.08 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 (0.06 sec)

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 (0.07 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 (0.06 sec)
```

```
MariaDB [perbankan]> insert into transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) values (16,101,4,"kredit","2009-11-22",20000);
Query OK, 1 row affected (0.06 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 (0.08 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 (0.07 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 (0.05 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 (0.06 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 (0.05 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 (0.06 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 (0.06 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 (0.07 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 (0.07 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 (0.04 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 (0.05 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 (0.07 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 (0.06 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 (0.06 sec)

MariaDB [perbankan]> select * from transaksi;
+-------------+--------------+-------------+-----------------+------------+--------+
| no_transaksi | no_rekeningFK | id_nasabahFK | jenis_transaksi | tanggal    | jumlah |
+-------------+--------------+-------------+-----------------+------------+--------+
|           1 |          105 |           3 | debit           | 2009-11-10 |  50000 |
|           2 |          103 |           2 | debit           | 2009-11-10 |  40000 |
|           3 |          101 |           4 | kredit          | 2009-11-12 |  20000 |
|           4 |          106 |           3 | debit           | 2009-11-13 |  50000 |
|           5 |          107 |           5 | kredit          | 2009-11-13 |  30000 |
|           6 |          104 |           1 | kredit          | 2009-11-15 | 200000 |
|           7 |          110 |           9 | kredit          | 2009-11-15 | 150000 |
|           8 |          102 |           5 | debit           | 2009-11-16 |  20000 |
|           9 |          105 |           3 | kredit          | 2009-11-18 |  50000 |
|          10 |          107 |           4 | debit           | 2009-11-19 | 100000 |
|          11 |          103 |           2 | debit           | 2009-11-19 | 100000 |
|          12 |          104 |           1 | debit           | 2009-11-19 |  50000 |
|          13 |          107 |           4 | kredit          | 2009-11-20 | 200000 |
|          14 |          105 |           3 | debit           | 2009-11-21 |  40000 |
|          15 |          104 |           1 | kredit          | 2009-11-22 | 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 |
|          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           | 2009-12-01 |  50000 |
|          25 |          103 |           2 | debit           | 2009-12-02 |  40000 |
|          26 |          101 |           4 | debit           | 2009-12-04 |  50000 |
|          27 |          103 |           2 | kredit          | 2009-12-05 | 100000 |
|          28 |          102 |           5 | kredit          | 2009-12-05 | 200000 |
|          29 |          109 |           7 | debit           | 2009-12-05 | 100000 |
|          30 |          110 |           9 | debit           | 2009-12-06 |  20000 |
+-------------+--------------+-------------+-----------------+------------+--------+
30 rows in set (0.00 sec)
```

Nasabah dengan nama "Indri Hapsari" pindah alamat ke "Jalan Slamet Riyadi No. 34"

```
MariaDB [perbankan]> update nasabah set alamat_nasabah="Jl. Slamet Riyadi 34" where nama_nasabah="Indri Hapsari";
Query OK, 1 row affected (0.10 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 (0.00 sec)

MariaDB [perbankan]>
```

Cabang dengan kode "BRUW" pindah ke alamat "Jalan A. Yani No. 23"

```
MariaDB [perbankan]> update cabang_bank set alamat_cabang="Jl. A. Yani 23" where kode_cabang="BRUW";
Query OK, 1 row affected (0.07 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 |
| BRUW        | Bank Rut Unit Wonogiri  | Jl. A. Yani 23       |
| BRUY        | Bank Rut Unit Yogyakarta| Jl. Anggrek 21       |
+-------------+-------------------------+----------------------+
6 rows in set (0.00 sec)

MariaDB [perbankan]>
```

Nasabah dengan id "7" menutup rekeningnya

```
MariaDB [perbankan]> delete from nasabah where id_nasabah=7;
Query OK, 1 row affected (0.10 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  |
|          8 | Sari Murti       | Jl. Pangandaran 11    |
|          9 | Canka Lokananta  | Jl. Tidar 86          |
|         10 | Budi Murtono     | Jl. Merak 22          |
+------------+------------------+-----------------------+
9 rows in set (0.00 sec)

MariaDB [perbankan]>
```

Cabang dengan nama_cabang "Bank Rut Unit Magelang" menutup kantornya

```
MariaDB [perbankan]> delete from cabang_bank where nama_cabang="Bank Rut Unit Magelang";
Query OK, 1 row affected (0.08 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. A. Yani 23       |
| BRUY        | Bank Rut Unit Yogyakarta| Jl. Anggrek 21       |
+-------------+-------------------------+----------------------+
5 rows in set (0.00 sec)

MariaDB [perbankan]>
```

Tugas
Insert data **nasabah** dan menampilkannya

```
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values
    -> (11,"Amin","Jl. Bebek 12"),
    -> (12,"Amir","Jl. Ayam 77"),
    -> (13,"Apip","Jl. Bango 69"),
    -> (14,"Acil","Jl. Mop 5"),
    -> (15,"Ajeng","Jl. Gagang 3"),
    -> (16,"Ayu","Jl. Sudiro 1"),
    -> (17,"Abang","Jl. Murai 33"),
    -> (18,"Aisyah","Jl. Meenco Raya 4"),
    -> (19,"Amar","Jl. Kepodang 9"),
    -> (20,"Agus","Jl. Kacer 45");
Query OK, 10 rows affected (0.15 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+------------+------------------+------------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah         |
+------------+------------------+------------------------+
|          1 | Sutopo           | Jl. Jendral SUdirman 12 |
|          2 | Maryati          | Jl. MT. Haryono 31     |
|          3 | Suparman         | Jl. Hasanudin 81       |
|          4 | Kartika Padmasari | Jl. Manggis 15        |
|          5 | Budi Eko Prayogo | Jl. Kantil 30          |
|          6 | Satria Eka Jaya  | Jl. Slamet Riyadi 45   |
|          8 | Sari Murti       | Jl. Pangandaran 11     |
|          9 | Canka Lokananta  | Jl. Tidar 86           |
|         10 | Budi Murtono     | Jl. Merak 22           |
|         11 | Amin             | Jl. Bebek 12           |
|         12 | Amir             | Jl. Ayam 77            |
|         13 | Apip             | Jl. Bango 69           |
|         14 | Acil             | Jl. Mop 5              |
|         15 | Ajeng            | Jl. Gagang 3           |
|         16 | Ayu              | Jl. Sudiro 1           |
|         17 | Abang            | Jl. Murai 33           |
|         18 | Aisyah           | Jl. Meenco Raya 4      |
|         19 | Amar             | Jl. Kepodang 9         |
|         20 | Agus             | Jl. Kacer 45           |
+------------+------------------+------------------------+
19 rows in set (0.00 sec)
```

Insert data **cabang_bank** dan menampilkannya

```
MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values
    -> ("BRUT","Bank Rut Unit Tegal","Jl. Raya Tegal 14"),
    -> ("BRUR","Bank Rut Unit Rembang","Jl. Kasihan 2"),
    -> ("BRUP","Bank Rut Unit Pati","Jl. Kretek 76"),
    -> ("BRUL","Bank Rut Unit Lembang","Jl. Cikuning 9"),
    -> ("BRUKU","Bank Rut Unit Kudus","Jl. Djarum 3"),
    -> ("BRUSU","Bank Rut Unit Subang","Jl. Cicaheum 10"),
    -> ("BRUG","Bank Rut Unit Gunung Kidul","Jl. Pasir Wetan 32"),
    -> ("BRUC","Bank Rut Unit Gunung Cemani","Jl. Margondi 11"),
    -> ("BRUA","Bank Rut Unit Ampel","Jl. Ampel 311"),
    -> ("BRUD","Bank Rut Unit Demak","Jl. Wali 44");
Query OK, 10 rows affected (0.08 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-------------+-----------------------------+----------------------+
| kode_cabang | nama_cabang                 | alamat_cabang        |
+-------------+-----------------------------+----------------------+
| BRUA        | Bank Rut Unit Ampel         | Jl. Ampel 311        |
| BRUB        | Bank Rut Unit Boyolali      | Jl. Ahmad Yani 45    |
| BRUC        | Bank Rut Unit Gunung Cemani | Jl. Margondi 11      |
| BRUD        | Bank Rut Unit Demak         | Jl. Wali 44          |
| BRUG        | Bank Rut Unit Gunung Kidul  | Jl. Pasir Wetan 32   |
| BRUK        | Bank Rut Unit Klaten        | Jl. Suparman 23      |
| BRUKU       | Bank Rut Unit Kudus         | Jl. Djarum 3         |
| BRUL        | Bank Rut Unit Lembang       | Jl. Cikuning 9       |
| BRUP        | Bank Rut Unit Pati          | Jl. Kretek 76        |
| BRUR        | Bank Rut Unit Rembang       | Jl. Kasihan 2        |
| BRUS        | Bank Rut Unit Surakarta     | Jl. Slamet Riyadi 18 |
| BRUSU       | Bank Rut Unit Subang        | Jl. Cicaheum 10      |
| BRUT        | Bank Rut Unit Tegal         | Jl. Raya Tegal 14    |
| BRUW        | Bank Rut Unit Wonogiri      | Jl. A. Yani 23       |
| BRUY        | Bank Rut Unit Yogyakarta    | Jl. Anggrek 21       |
+-------------+-----------------------------+----------------------+
15 rows in set (0.03 sec)

MariaDB [perbankan]>
```

Insert data **rekening** dan menampilkannya

```
MariaDB [perbankan]> insert into rekening (no_rekening,kode_cabangFK,pin,saldo) values
    -> (114,"BRUP",1414,20000),
    -> (115,"BRUL",1515,340000),
    -> (116,"BRUKU",1616,530000),
    -> (117,"BRUG",1717,120000),
    -> (118,"BRUC",1818,120000),
    -> (119,"BRUW",1919,50000),
    -> (120,"BRUT",2020,202000),
    -> (121,"BRUT",2120,234500),
    -> (122,"BRUR",4565,44500),
    -> (123,"BRUA",2332,45200);
Query OK, 10 rows affected (0.09 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from rekening;
+-------------+--------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+-------------+--------------+------+---------+
|         101 | BRUS         | 1111 |  500000 |
|         102 | BRUS         | 2222 |  350000 |
|         103 | BRUS         | 3333 |  750000 |
|         104 | BRUM         | 4444 |  900000 |
|         105 | BRUM         | 5555 | 2000000 |
|         106 | BRUS         | 6666 | 3000000 |
|         107 | BRUS         | 7777 | 1000000 |
|         108 | BRUB         | 0    | 5000000 |
|         109 | BRUB         | 9999 |       0 |
|         110 | BRUY         | 1234 |  550000 |
|         111 | BRUK         | 4321 |  150000 |
|         112 | BRUK         | 123  |  300000 |
|         113 | BRUY         | 8888 |  255000 |
|         114 | BRUP         | 1414 |   20000 |
|         115 | BRUL         | 1515 |  340000 |
|         116 | BRUKU        | 1616 |  530000 |
|         117 | BRUG         | 1717 |  120000 |
|         118 | BRUC         | 1818 |  120000 |
|         119 | BRUW         | 1919 |   50000 |
|         120 | BRUT         | 2020 |  202000 |
|         121 | BRUT         | 2120 |  234500 |
|         122 | BRUR         | 4565 |   44500 |
|         123 | BRUA         | 2332 |   45200 |
+-------------+--------------+------+---------+
23 rows in set (0.00 sec)

MariaDB [perbankan]>
```

Insert data **nasabah_has_rekening** dan menampilkannya

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK) values
    -> (11,114),
    -> (12,115),
    -> (13,116),
    -> (14,117),
    -> (15,118),
    -> (16,119),
    -> (17,120),
    -> (18,121),
    -> (19,122),
    -> (20,123),
    -> (20,121);
Query OK, 11 rows affected (0.11 sec)
Records: 11  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 |
|          11 |          114 |
|          12 |          115 |
|          13 |          116 |
|          14 |          117 |
|          15 |          118 |
|          16 |          119 |
|          17 |          120 |
|          18 |          121 |
|          19 |          122 |
|          20 |          121 |
|          20 |          123 |
+-------------+--------------+
```

Insert data **transaksi** dan menampilkannya

```
MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) value
s
    -> (31,114,11,"debit","2009-12-7",200000),
    -> (32,115,12,"debit","2009-12-7",40000),
    -> (33,116,13,"kredit","2009-12-7",120000),
    -> (34,117,14,"kredit","2009-12-7",100000),
    -> (35,118,15,"debit","2009-12-8",500000),
    -> (36,119,16,"debit","2009-12-8",13200000),
    -> (37,120,17,"kredit","2009-12-8",100000),
    -> (38,121,18,"kredit","2009-12-8",900000),
    -> (39,122,18,"debit","2009-12-8",300000),
    -> (40,123,18,"debit","2009-12-9",5600000),
    -> (41,114,19,"debit","2009-12-9",600000),
    -> (42,115,20,"kredit","2009-12-10",700000),
    -> (43,116,11,"kredit","2009-12-10",990000),
    -> (44,117,12,"debit","2009-12-10",90000),
    -> (45,118,12,"debit","2009-12-10",9000000),
    -> (46,119,13,"debit","2009-12-11",11000000),
    -> (47,120,13,"kredit","2009-12-11",10000000),
    -> (48,121,14,"kredit","2009-12-11",990000),
    -> (49,122,15,"debit","2009-12-12",690000),
    -> (50,123,16,"debit","2009-12-12",7770000);
Query OK, 20 rows affected (0.12 sec)
Records: 20  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> select * from transaksi;
+--------------+---------------+--------------+-----------------+------------+----------+
| no_transaksi | no_rekeningFK | id_nasabahFK | jenis_transaksi | tanggal    | jumlah   |
+--------------+---------------+--------------+-----------------+------------+----------+
|            1 |           105 |            3 | debit           | 2009-11-10 |    50000 |
|            2 |           103 |            2 | debit           | 2009-11-10 |    40000 |
|            3 |           101 |            4 | kredit          | 2009-11-12 |    20000 |
|            4 |           106 |            3 | debit           | 2009-11-13 |    50000 |
|            5 |           107 |            5 | kredit          | 2009-11-13 |    30000 |
|            6 |           104 |            1 | kredit          | 2009-11-15 |   200000 |
|            7 |           110 |            9 | kredit          | 2009-11-15 |   150000 |
|            8 |           102 |            5 | debit           | 2009-11-16 |    20000 |
|            9 |           105 |            3 | kredit          | 2009-11-18 |    50000 |
|           10 |           107 |            4 | debit           | 2009-11-19 |   100000 |
|           11 |           103 |            2 | debit           | 2009-11-19 |   100000 |
|           12 |           104 |            1 | debit           | 2009-11-19 |    50000 |
|           13 |           107 |            4 | kredit          | 2009-11-20 |   200000 |
|           14 |           105 |            3 | debit           | 2009-11-21 |    40000 |
|           15 |           104 |            1 | kredit          | 2009-11-22 |   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 |
|           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           | 2009-12-01 |    50000 |
|           25 |           103 |            2 | debit           | 2009-12-02 |    40000 |
|           26 |           101 |            4 | debit           | 2009-12-04 |    50000 |
|           27 |           103 |            2 | kredit          | 2009-12-05 |   100000 |
|           28 |           102 |            5 | kredit          | 2009-12-05 |   200000 |
|           29 |           109 |            7 | debit           | 2009-12-05 |   100000 |
|           30 |           110 |            9 | debit           | 2009-12-06 |    20000 |
|           31 |           114 |           11 | debit           | 2009-12-07 |   200000 |
|           32 |           115 |           12 | debit           | 2009-12-07 |    40000 |
|           33 |           116 |           13 | kredit          | 2009-12-07 |   120000 |
|           34 |           117 |           14 | kredit          | 2009-12-07 |   100000 |
|           35 |           118 |           15 | debit           | 2009-12-08 |   500000 |
|           36 |           119 |           16 | debit           | 2009-12-08 | 13200000 |
|           37 |           120 |           17 | kredit          | 2009-12-08 |   100000 |
|           38 |           121 |           18 | kredit          | 2009-12-08 |   900000 |
|           39 |           122 |           18 | debit           | 2009-12-08 |   300000 |
|           40 |           123 |           18 | debit           | 2009-12-09 |  5600000 |
|           41 |           114 |           19 | debit           | 2009-12-09 |   600000 |
|           42 |           115 |           20 | kredit          | 2009-12-10 |   700000 |
|           43 |           116 |           11 | kredit          | 2009-12-10 |   990000 |
|           44 |           117 |           12 | debit           | 2009-12-10 |    90000 |
|           45 |           118 |           12 | debit           | 2009-12-10 |  9000000 |
|           46 |           119 |           13 | debit           | 2009-12-11 | 11000000 |
|           47 |           120 |           13 | kredit          | 2009-12-11 | 10000000 |
|           48 |           121 |           14 | kredit          | 2009-12-11 |   990000 |
|           49 |           122 |           15 | debit           | 2009-12-12 |   690000 |
|           50 |           123 |           16 | debit           | 2009-12-12 |  7770000 |
+--------------+---------------+--------------+-----------------+------------+----------+
50 rows in set (0.00 sec)

MariaDB [perbankan]>
```