Nama : Kurniawan Andika W.

NIM   : L200180115

Praktikum SBD Modul 5

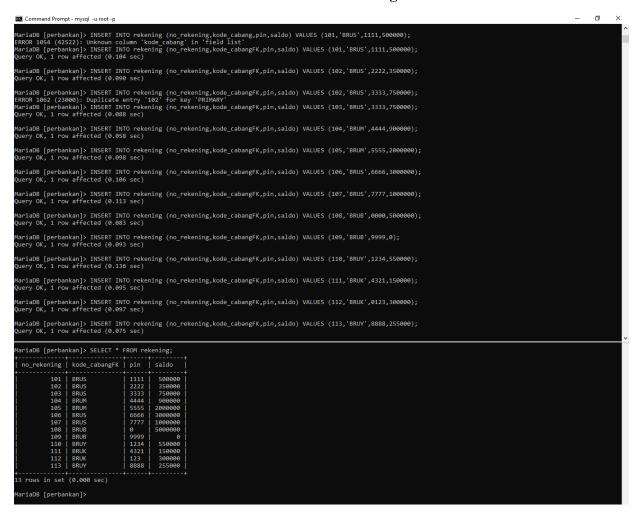## Insert tabel nasabah

Insert table cabang_bank


```
MariaDB [perbankan]>
MariaDB [perbankan]>
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 (0.208 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 (0.092 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 (0.097 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 (0.089 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 (0.089 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 (0.102 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 (0.000 sec)

MariaDB [perbankan]>
```

Insert table rekening


```
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 (0.104 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (102,'BRUS',2222,350000);
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (102,'BRUS',3333,750000);
ERROR 1062 (23000): Duplicate entry '102' for key 'PRIMARY'
MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (103,'BRUS',3333,750000);
Query OK, 1 row affected (0.088 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (104,'BRUM',4444,900000);
Query OK, 1 row affected (0.058 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (105,'BRUM',5555,2000000);
Query OK, 1 row affected (0.098 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (106,'BRUS',6666,3000000);
Query OK, 1 row affected (0.106 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (107,'BRUS',7777,1000000);
Query OK, 1 row affected (0.113 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (108,'BRUB',0000,5000000);
Query OK, 1 row affected (0.083 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (109,'BRUB',9999,0);
Query OK, 1 row affected (0.093 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (110,'BRUY',1234,550000);
Query OK, 1 row affected (0.136 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (111,'BRUK',4321,150000);
Query OK, 1 row affected (0.095 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (112,'BRUK',0123,300000);
Query OK, 1 row affected (0.097 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (113,'BRUY',8888,255000);
Query OK, 1 row affected (0.075 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 (0.000 sec)

MariaDB [perbankan]>
```

Insert table nasabah_has_rekening
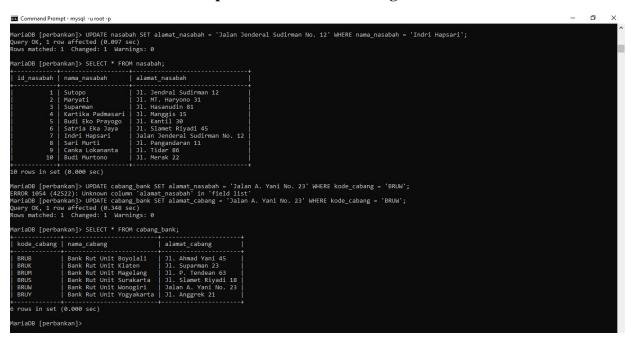
```
Command Prompt - mysql -u root -p                                           —   □   ×

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (1,104);
Query OK, 1 row affected (0.163 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (2,103);
Query OK, 1 row affected (0.083 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (3,105);
Query OK, 1 row affected (0.098 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (3,106);
Query OK, 1 row affected (0.087 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (4,101);
Query OK, 1 row affected (0.045 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (4,107);
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (5,102);
Query OK, 1 row affected (0.085 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (5,107);
Query OK, 1 row affected (0.088 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (6,109);
Query OK, 1 row affected (0.087 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (7,109);
Query OK, 1 row affected (0.089 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (8,111);
Query OK, 1 row affected (0.073 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (9,110);
Query OK, 1 row affected (0.108 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (10,113);
Query OK, 1 row affected (0.083 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (8,112);
Query OK, 1 row affected (0.101 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (10,108);
Query OK, 1 row affected (0.102 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 (0.000 sec)

MariaDB [perbankan]>
```

Insert table 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 (0.090 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 (0.091 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 (0.081 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 (0.086 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 (0.089 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 (0.321 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 (0.080 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 (0.082 sec)

MariaDB [perbankan]>
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 (0.084 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 (0.079 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);
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','20
09-11-19',100000)' at line 1
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 (0.083 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 (0.085 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 (0.108 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 (0.095 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 (0.100 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 (0.079 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 (0.069 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 (0.062 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 (0.076 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 (0.078 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 (0.028 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 (0.069 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 (0.101 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 (0.036 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 (0.075 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 (0.297 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 (0.039 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 (0.079 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 (0.070 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 (0.077 sec)

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

Update nasabah dan cabang_bank

```
MariaDB [perbankan]> UPDATE nasabah SET alamat_nasabah = 'Jalan Jenderal Sudirman No. 12' WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.097 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	Jalan Jenderal Sudirman No. 12
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]> UPDATE cabang_bank SET alamat_nasabah = 'Jalan A. Yani No. 23' WHERE kode_cabang = 'BRUW';
ERROR 1054 (42S22): Unknown column 'alamat_nasabah' in 'field list'
MariaDB [perbankan]> UPDATE cabang_bank SET alamat_cabang = 'Jalan A. Yani No. 23' WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.348 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	Jalan A. Yani No. 23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

```
6 rows in set (0.000 sec)

MariaDB [perbankan]>
```

Delete nasabah dan cabang_bank

Insert table nasabah

Insert table cabang_bank

```
Command Prompt - mysql  -u root -p                                                              —  □  ×

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUJ','Bank Rut Unit Jakarta','Jakarta');
Query OK, 1 row affected (0.095 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUP','Bank Rut Unit Pekalongan','Pekalongan');
Query OK, 1 row affected (0.092 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUR','Bank Rut Unit Rembang','Rembang');
Query OK, 1 row affected (0.098 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUL','Bank Rut Unit Lamongan','Lamongan');
Query OK, 1 row affected (0.174 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUA','Bank Rut Unit Aceh','Aceh');
Query OK, 1 row affected (1.627 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUG','Bank Rut Unit Gorontalo','Gorontalo');
Query OK, 1 row affected (0.087 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUC','Bank Rut Unit Calang','Calang');
Query OK, 1 row affected (0.100 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUT','Bank Rut Unit Takengon','Takengon');
Query OK, 1 row affected (0.096 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUI','Bank Rut Unit Idi Rayeuk','Idi Rayeuk');
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank (kode_cabang,nama_cabang,alamat_cabang) VALUES ('BRUN','Bank Rut Unit NTT','Nusa Tenggara Timur');
Query OK, 1 row affected (0.089 sec)

MariaDB [perbankan]> SELECT * FROM cabang_bank;
+-------------+-------------------------+----------------------+
| kode_cabang | nama_cabang             | alamat_cabang        |
+-------------+-------------------------+----------------------+
| BRUA        | Bank Rut Unit Aceh      | Aceh                 |
| BRUB        | Bank Rut Unit Boyolali  | Jl. Ahmad Yani 45    |
| BRUC        | Bank Rut Unit Calang    | Calang               |
| BRUG        | Bank Rut Unit Gorontalo | Gorontalo            |
| BRUI        | Bank Rut Unit Idi Rayeuk| Idi Rayeuk           |
| BRUJ        | Bank Rut Unit Jakarta   | Jakarta              |
| BRUK        | Bank Rut Unit Klaten    | Jl. Suparman 23      |
| BRUL        | Bank Rut Unit Lamongan  | Lamongan             |
| BRUN        | Bank Rut Unit NTT       | Nusa Tenggara Timur  |
| BRUP        | Bank Rut Unit Pekalongan| Pekalongan           |
| BRUR        | Bank Rut Unit Rembang   | Rembang              |
| BRUS        | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUT        | Bank Rut Unit Takengon  | Takengon             |
| BRUW        | Bank Rut Unit Wonogiri  | Jalan A. Yani No. 23 |
| BRUY        | Bank Rut Unit Yogyakarta| Jl. Anggrek 21       |
+-------------+-------------------------+----------------------+
15 rows in set (0.000 sec)

MariaDB [perbankan]>
```

Insert table rekening

```
Command Prompt - mysql -u root -p                                          —  □  ×

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (114,BRUA,2345,500000);
ERROR 1054 (42S22): Unknown column 'BRUA' in 'field list'
MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (114,'BRUA',2345,500000);
Query OK, 1 row affected (0.063 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (115,'BRUN',5345,100000);
Query OK, 1 row affected (0.052 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (116,'BRUJ',5395,900000);
Query OK, 1 row affected (0.120 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (117,'BRUK',5394,560000);
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (118,'BRUL',5332,890000);
Query OK, 1 row affected (0.085 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (119,'BRUM',5123,230000);
Query OK, 1 row affected (0.094 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (120,'BRUY',3243,600000);
Query OK, 1 row affected (0.088 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (120,'BRUY',1233,750000);
ERROR 1062 (23000): Duplicate entry '120' for key 'PRIMARY'
MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (121,'BRUN',1233,750000);
Query OK, 1 row affected (0.085 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (122,'BRUB',1457,670000);
Query OK, 1 row affected (0.088 sec)

MariaDB [perbankan]> INSERT INTO rekening (no_rekening,kode_cabangFK,pin,saldo) VALUES (123,'BRUW',1534,320000);
Query OK, 1 row affected (0.073 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 |
|        114 | BRUA         | 2345 |  500000 |
|        115 | BRUN         | 5345 |  100000 |
|        116 | BRUJ         | 5395 |  900000 |
|        117 | BRUK         | 5394 |  560000 |
|        118 | BRUL         | 5332 |  890000 |
|        119 | BRUM         | 5123 |  230000 |
|        120 | BRUY         | 3243 |  600000 |
|        121 | BRUN         | 1233 |  750000 |
|        122 | BRUB         | 1457 |  670000 |
|        123 | BRUW         | 1534 |  320000 |
+------------+--------------+------+---------+
23 rows in set (0.073 sec)
```

Insert table nasabah_has_rekening

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

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (11,114);
Query OK, 1 row affected (0.107 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (12,115);
Query OK, 1 row affected (0.047 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (13,116);
Query OK, 1 row affected (0.116 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (14,117);
Query OK, 1 row affected (0.043 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (15,118);
Query OK, 1 row affected (0.081 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (16,119);
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (17,120);
Query OK, 1 row affected (0.089 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (18,121);
Query OK, 1 row affected (0.054 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (19,122);
Query OK, 1 row affected (0.079 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening (id_nasabahFK,no_rekeningFK) VALUES (20,123);
Query OK, 1 row affected (0.084 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 |
|           11 |           114 |
|           12 |           115 |
|           13 |           116 |
|           14 |           117 |
|           15 |           118 |
|           16 |           119 |
|           17 |           120 |
|           18 |           121 |
|           19 |           122 |
|           20 |           123 |
+--------------+---------------+
25 rows in set (0.000 sec)

MariaDB [perbankan]>
```

Insert table transaksi


```
MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (31, 114, 11,'debit','2020-03-26',90000);
Query OK, 1 row affected (0.110 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (32, 115, 12,'debit','2020-03-26',100000);
Query OK, 1 row affected (0.130 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (33, 116, 13,'debit','2020-03-26',430000);
Query OK, 1 row affected (0.102 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (34, 117, 14,'debit','2020-03-27',4650000);
Query OK, 1 row affected (0.066 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (35, 118, 15,'debit','2020-03-27',7890000);
Query OK, 1 row affected (0.098 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (36, 118, 15,'kredit','2020-03-28',7890000);
Query OK, 1 row affected (0.132 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (37, 117, 14,'kredit','2020-03-28',4650000);
Query OK, 1 row affected (0.101 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (38, 116, 13,'kredit','2020-03-28',430000);
Query OK, 1 row affected (0.110 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (39, 115, 12,'kredit','2020-03-28',100000);
Query OK, 1 row affected (0.109 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (40, 114, 11,'kredit','2020-03-28',90000);
Query OK, 1 row affected (0.106 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (41, 119, 16,'debit','2020-03-29',100000);
Query OK, 1 row affected (0.111 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (42, 119, 16,'kredit','2020-03-30',100000);
Query OK, 1 row affected (0.077 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (43, 120, 17,'debit','2020-03-30',200000);
Query OK, 1 row affected (0.278 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (44, 120, 17,'kredit','2020-03-31',200000);
Query OK, 1 row affected (0.069 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (45, 121, 18,'debit','2020-03-31',300000);
Query OK, 1 row affected (0.089 sec)
```

```
MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (46, 121, 18,'kredit','2020-04-01',300000);
Query OK, 1 row affected (0.076 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (47, 122, 19,'debit','2020-04-01',400000);
Query OK, 1 row affected (0.078 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (48, 122, 19,'kredit','2020-04-02',400000);
Query OK, 1 row affected (0.312 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (49, 122, 19,'debit','2020-04-02',500000);
Query OK, 1 row affected (0.089 sec)

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah) VALUES (50, 123, 20,'kredit','2020-04-03',500000);
Query OK, 1 row affected (0.055 sec)

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 |
|      31 |          11 |        114 | debit  | 2020-03-26 00:00:00 |   90000 |
|      32 |          12 |        115 | debit  | 2020-03-26 00:00:00 |  100000 |
|      33 |          13 |        116 | debit  | 2020-03-26 00:00:00 |  430000 |
|      34 |          14 |        117 | debit  | 2020-03-27 00:00:00 | 4650000 |
|      35 |          15 |        118 | debit  | 2020-03-27 00:00:00 | 7890000 |
|      36 |          15 |        118 | kredit | 2020-03-28 00:00:00 | 7890000 |
|      37 |          14 |        117 | kredit | 2020-03-28 00:00:00 | 4650000 |
|      38 |          13 |        116 | kredit | 2020-03-28 00:00:00 |  430000 |
|      39 |          12 |        115 | kredit | 2020-03-28 00:00:00 |  100000 |
|      40 |          11 |        114 | kredit | 2020-03-28 00:00:00 |   90000 |
|      41 |          16 |        119 | debit  | 2020-03-29 00:00:00 |  100000 |
|      42 |          16 |        119 | kredit | 2020-03-30 00:00:00 |  100000 |
|      43 |          17 |        120 | debit  | 2020-03-30 00:00:00 |  200000 |
|      44 |          17 |        120 | kredit | 2020-03-31 00:00:00 |  200000 |
|      45 |          18 |        121 | debit  | 2020-03-31 00:00:00 |  300000 |
|      46 |          18 |        121 | kredit | 2020-04-01 00:00:00 |  300000 |
|      47 |          19 |        122 | debit  | 2020-04-01 00:00:00 |  400000 |
|      48 |          19 |        122 | kredit | 2020-04-02 00:00:00 |  400000 |
|      49 |          19 |        122 | debit  | 2020-04-02 00:00:00 |  500000 |
|      50 |          20 |        123 | kredit | 2020-04-03 00:00:00 |  500000 |
+---------+-------------+------------+--------+---------------------+---------+
50 rows in set (0.001 sec)

MariaDB [perbankan]>
```