NAMA   : ARGA DWI ARDINATA
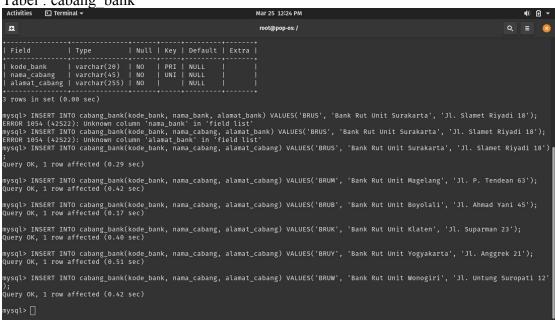**NIM   : L200180114**
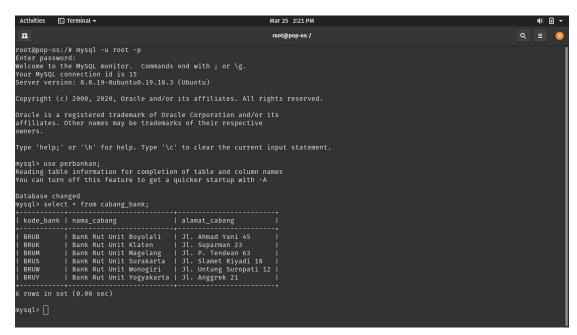**KELAS   : E**

Tabel : Nasabah

Tabel : cabang_bank

```
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
+---------------+--------------+------+-----+---------+-------+
| kode_bank     | varchar(20)  | NO   | PRI | NULL    |       |
| nama_cabang   | varchar(45)  | NO   | UNI | NULL    |       |
| alamat_cabang | varchar(255) | NO   |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_bank, alamat_bank) VALUES('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18');
ERROR 1054 (42S22): Unknown column 'nama_bank' in 'field list'
mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_bank) VALUES('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18');
ERROR 1054 (42S22): Unknown column 'alamat_bank' in 'field list'
mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18')
;
Query OK, 1 row affected (0.29 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUM', 'Bank Rut Unit Magelang', 'Jl. P. Tendean 63');
Query OK, 1 row affected (0.42 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUB', 'Bank Rut Unit Boyolali', 'Jl. Ahmad Yani 45');
Query OK, 1 row affected (0.17 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUK', 'Bank Rut Unit Klaten', 'Jl. Suparman 23');
Query OK, 1 row affected (0.40 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21');
Query OK, 1 row affected (0.51 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12'
);
Query OK, 1 row affected (0.42 sec)

mysql>
```

```
root@pop-os:/# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.19-0ubuntu0.19.10.3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use perbankan;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from cabang_bank;
+-----------+--------------------------+------------------------+
| kode_bank | 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)

mysql>
```

Tabel : rekening


```
mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(101, 'BRUS', '1111', 500000);
Query OK, 1 row affected (0.22 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(102, 'BRUS', '2222', 350000);
Query OK, 1 row affected (0.17 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(103, 'BRUS', '3333', 750000);
Query OK, 1 row affected (0.16 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(104, 'BRUM', '4444', 900000);
Query OK, 1 row affected (0.15 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(105, 'BRUM', '5555', 2000000);
Query OK, 1 row affected (0.16 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(106, 'BRUS', '6666', 3000000);
Query OK, 1 row affected (0.17 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(107, 'BRUS', '7777', 1000000);
Query OK, 1 row affected (0.19 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(108, 'BRUB', '0000', 5000000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(109, 'BRUB', '9999', 0);
Query OK, 1 row affected (0.16 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(110, 'BRUY', '1234', 5500000);
Query OK, 1 row affected (0.40 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(111, 'BRUK', '4321', 1500000);
Query OK, 1 row affected (0.22 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(112, 'BRUK', '0123', 3000000);
```



```
| BRUM      | Bank Rut Unit Magetang   | 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)

mysql> 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 | 5500000 |
|        111 | BRUK          | 4321 | 1500000 |
|        112 | BRUK          | 0123 | 3000000 |
|        113 | BRUY          | 8888 |  255000 |
+------------+---------------+------+---------+
13 rows in set (0.00 sec)

mysql> select * from rekening;
rekening                 rekening.kode_cabangFK  rekening.no_rekening    rekening.pin         rekening.saldo
mysql> select * from rekening;
+------------+---------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+------------+---------------+------+---------+
|        101 | BRUS          | 1111 |  500000 |
|        102 | BRUS          | 2222 |  350000 |
```

Tabel: nasabah_has_rekening


```
mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(1, 104);
Query OK, 1 row affected (0.25 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(2, 103);
Query OK, 1 row affected (0.16 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(3, 105);
Query OK, 1 row affected (0.34 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(3, 106);
Query OK, 1 row affected (0.16 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(4, 101);
Query OK, 1 row affected (0.17 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(4, 107);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(5, 102);
Query OK, 1 row affected (0.20 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(5, 107);
Query OK, 1 row affected (0.15 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(6, 109);
Query OK, 1 row affected (0.20 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(7, 109);
Query OK, 1 row affected (0.68 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(8, 111);
Query OK, 1 row affected (0.87 sec)

mysql> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES(9, 110);
```



```
|      111 | BRUK          | 4321 | 1500000 |
|      112 | BRUK          | 0123 | 3000000 |
|      113 | BRUY          | 8888 |  255000 |
+----------+---------------+------+---------+
13 rows in set (0.00 sec)

mysql> 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)

mysql> select * from transaksi;
+-------------+--------------+--------------+----------------+---------------------+--------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal            | jumlah |
+-------------+--------------+--------------+----------------+---------------------+--------+
|           1 |          105 |            3 | debit          | 2009-11-10 00:00:00 |  50000 |
|           2 |          103 |            2 | debit          | 2009-11-10 00:00:00 |  40000 |
|           3 |          101 |            4 | kredit         | 2009-11-12 00:00:00 |  20000 |
```

Tabel: transaksi


```
mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(1, 3, 105, 'debit', '2
009-11-10', 50000);
Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(2, 2, 103, 'debit', '2
009-11-10', 40000);
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(3, 4, 101, 'kredit', '
2009-11-12', 20000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(4, 3, 106, 'debit', '2
009-11-13', 50000);
Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(5, 5, 107, 'kredit', '
2009-11-13', 30000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(6, 1, 104, 'kredit', '
2009-11-15', 200000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(7, 9, 110, 'kredit', '
2009-11-15', 150000);
Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(8, 5, 102, 'debit', '2
009-11-16', 20000);
Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(9, 3, 105, 'kredit', '
2009-11-18', 50000);
```
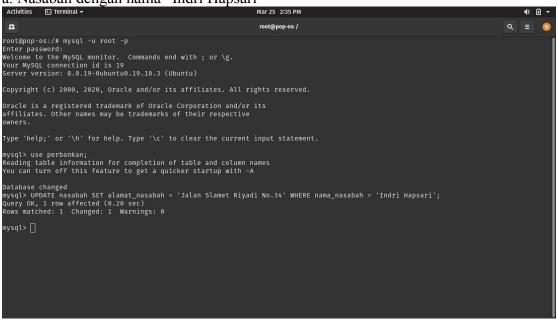


```
mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(9, 3, 105, 'kredit', '
2009-11-18', 50000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(10, 4, 107, 'debit', '
2009-11-19', 100000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(11, 2, 103, 'debit', '
2009-11-19', 100000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(12, 1, 104, 'debit', '
2009-11-19', 50000);
Query OK, 1 row affected (0.67 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(13, 4, 107, 'kredit',
'2009-11-20', 200000);
Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(14, 3, 105, 'debit', '
2009-11-21', 40000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(15, 1, 104, 'kredit',
'2009-11-22', 100000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(16, 4, 101, 'kredit',
'2009-11-22', 20000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(17, 2, 103, 'debit', '
2009-11-22', 50000);
```
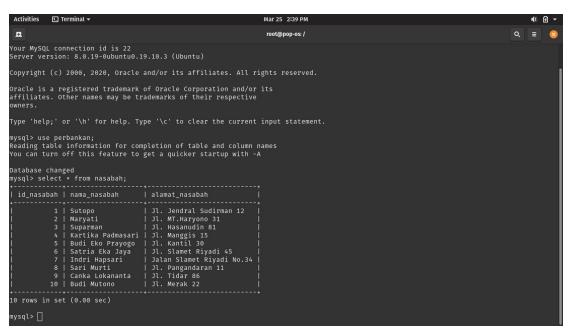
```
mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(17, 2, 103, 'debit', '
2009-11-22', 50000);
Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(18, 5, 102, 'debit', '
2009-11-25', 50000);
Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(19, 10, 108, 'debit',
'2009-11-26', 100000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(20, 3, 106, 'kredit',
'2009-11-27', 50000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(21, 2, 103, 'kredit',
'2009-11-28', 200000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(22, 3, 105, 'kredit',
'2009-11-28', 100000);
Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(23, 5, 102, 'debit', '
2009-11-30', 20000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(24, 1, 104, 'debit', '
2009-12-1', 50000);
Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(25, 2, 103, 'debit', '
2009-12-2', 40000);
```

```
mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(23, 5, 102, 'debit', '
2009-11-30', 20000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(24, 1, 104, 'debit', '
2009-12-1', 50000);
Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(25, 2, 103, 'debit', '
2009-12-2', 40000);
Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(26, 4, 101, 'debit', '
2009-12-4', 50000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(27, 2, 103, 'kredit',
'2009-12-5', 100000);
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(28, 5, 102, 'kredit',
'2009-12-5', 200000);
Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(29, 7, 109, 'debit', '
2009-12-5', 100000);
Query OK, 1 row affected (0.51 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(30, 9, 110, 'debit', '
2009-12-6', 20000);
Query OK, 1 row affected (0.07 sec)

mysql>
```

```
mysql> 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
a. Nasabah dengan nama "Indri Hapsari"

b. Cabang dengan kode "BRUW"


```
Activities    Terminal                          Mar 25  2:36 PM

root@pop-os:/# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 8.0.19-0ubuntu0.19.10.3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use perbankan;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> UPDATE cabang_bank SET alamat_cabang = 'Jalan A. Yani No.23' WHERE nama_cabang = 'Bank Rut Unit Wonogiri';
Query OK, 1 row affected (0.21 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
```



```
Activities    Terminal                          Mar 25  2:40 PM

root@pop-os:/# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 23
Server version: 8.0.19-0ubuntu0.19.10.3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use perbankan;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from cabang_bank;
+-----------+--------------------------+---------------------+
| kode_bank | 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 (0.00 sec)

mysql>
```

Tugas
Table: nasabah

Table : cabang_bank


```
mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUA', 'Bank Rut Unit Ambon', 'Jl. Hasanudin 34');
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUG', 'Bank Rut Unit Gorontalo', 'Jl. Munir 48');
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUH', 'Bank Rut Unit Halmahera', 'Jl. Sucoko 24');
Query OK, 1 row affected (0.07 sec)

mysql> select * from cabang_bank;
+-----------+----------------------------+---------------------+
| kode_bank | nama_cabang                | alamat_cabang       |
+-----------+----------------------------+---------------------+
| BRUA      | Bank Rut Unit Ambon        | Jl. Hasanudin 34    |
| BRUB      | Bank Rut Unit Boyolali     | Jl. Ahmad Yani 45   |
| BRUC      | Bank Rut Unit Cirebon      | Jl. Diponegoro 83   |
| BRUD      | Bank Rut Unit Dumai        | Jl. Lombok 29       |
| BRUG      | Bank Rut Unit Gorontalo    | Jl. Munir 48        |
| BRUH      | Bank Rut Unit Halmahera    | Jl. Sucoko 24       |
| BRUJ      | Bank Rut Unit Jakarta      | Jl. Permei Indah 20 |
| BRUK      | Bank Rut Unit Klaten       | Jl. Suparman 23     |
| BRUL      | Bank Rut Unit Lamongan     | Jl. Puti 30         |
| BRUM      | Bank Rut Unit Magelang     | Jl. P. Tendean 63   |
| BRUN      | Bank Rut Unit Ngawi        | Jl. Sultan Agung 28 |
| BRUP      | Bank Rut Unit Palangkaraya | Jl. Bali 13         |
| BRUS      | Bank Rut Unit Surakarta    | Jl. Slamet Riyadi 18|
| BRUT      | Bank Rut Unit Tasikmalaya  | Jl. Gajah Mada 17   |
| BRUW      | Bank Rut Unit Wonogiri     | Jalan A. Yani No.23 |
| BRUY      | Bank Rut Unit Yogyakarta   | Jl. Anggrek 21      |
+-----------+----------------------------+---------------------+
16 rows in set (0.00 sec)

mysql>
```



```
mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUA', 'Bank Rut Unit Ambon', 'Jl. Hasanudin 34');
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUG', 'Bank Rut Unit Gorontalo', 'Jl. Munir 48');
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang) VALUES('BRUH', 'Bank Rut Unit Halmahera', 'Jl. Sucoko 24');
Query OK, 1 row affected (0.07 sec)

mysql> select * from cabang_bank;
+-----------+----------------------------+---------------------+
| kode_bank | nama_cabang                | alamat_cabang       |
+-----------+----------------------------+---------------------+
| BRUA      | Bank Rut Unit Ambon        | Jl. Hasanudin 34    |
| BRUB      | Bank Rut Unit Boyolali     | Jl. Ahmad Yani 45   |
| BRUC      | Bank Rut Unit Cirebon      | Jl. Diponegoro 83   |
| BRUD      | Bank Rut Unit Dumai        | Jl. Lombok 29       |
| BRUG      | Bank Rut Unit Gorontalo    | Jl. Munir 48        |
| BRUH      | Bank Rut Unit Halmahera    | Jl. Sucoko 24       |
| BRUJ      | Bank Rut Unit Jakarta      | Jl. Permei Indah 20 |
| BRUK      | Bank Rut Unit Klaten       | Jl. Suparman 23     |
| BRUL      | Bank Rut Unit Lamongan     | Jl. Puti 30         |
| BRUM      | Bank Rut Unit Magelang     | Jl. P. Tendean 63   |
| BRUN      | Bank Rut Unit Ngawi        | Jl. Sultan Agung 28 |
| BRUP      | Bank Rut Unit Palangkaraya | Jl. Bali 13         |
| BRUS      | Bank Rut Unit Surakarta    | Jl. Slamet Riyadi 18|
| BRUT      | Bank Rut Unit Tasikmalaya  | Jl. Gajah Mada 17   |
| BRUW      | Bank Rut Unit Wonogiri     | Jalan A. Yani No.23 |
| BRUY      | Bank Rut Unit Yogyakarta   | Jl. Anggrek 21      |
+-----------+----------------------------+---------------------+
16 rows in set (0.00 sec)

mysql>
```

Table : rekening

```
root@pop-os: /

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(114, 'BRUJ', '5678', 200000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(115, 'BRUT', '8765', 300000);
Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(116, 'BRUP', '9090', 500000);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(117, 'BRUD', '1212', 1000000);
Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(118, 'BRUL', '2323', 5000000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(118, 'BRUC', '3434', 400000);
ERROR 1062 (23000): Duplicate entry '118' for key 'rekening.PRIMARY'
mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(119, 'BRUC', '3434', 400000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(120, 'BRUN', '4545', 10000000);
Query OK, 1 row affected (0.71 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(121, 'BRUA', '5656', 3000000);
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(122, 'BRUG', '6767', 8000000);
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(123, 'BRUH', '7878', 7000000);
Query OK, 1 row affected (0.07 sec)

mysql>
```

```
root@pop-os: /

mysql> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES(123, 'BRUH', '7878', 7000000);
Query OK, 1 row affected (0.07 sec)

mysql> 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 |  5500000 |
|         111 | BRUK          | 4321 |  1500000 |
|         112 | BRUK          | 0123 |  3000000 |
|         113 | BRUY          | 8888 |   255000 |
|         114 | BRUJ          | 5678 |   200000 |
|         115 | BRUT          | 8765 |   300000 |
|         116 | BRUP          | 9090 |   500000 |
|         117 | BRUD          | 1212 |  1000000 |
|         118 | BRUL          | 2323 |  5000000 |
|         119 | BRUC          | 3434 |   400000 |
|         120 | BRUN          | 4545 | 10000000 |
|         121 | BRUA          | 5656 |  3000000 |
|         122 | BRUG          | 6767 |  8000000 |
|         123 | BRUH          | 7878 |  7000000 |
+-------------+---------------+------+----------+
23 rows in set (0.00 sec)

mysql>
```

Table : nasabah_has_rekening

Table : transaksi

root@pop-os: /home/kintosi   🔍 ☰ ❌

```
mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(43, 18, 121, 'kredit',
 '2009-12-12', 40000);
Query OK, 1 row affected (0.19 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(44, 17, 120, 'debit',
'2009-12-13', 6000
Query OK, 1 row affected (0.43 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(45, 16, 119, 'debit',
'2009-12-14', 70000);
Query OK, 1 row affected (0.40 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(46, 15, 118, 'debit',
'2009-12-15', 80000);
Query OK, 1 row affected (0.40 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(47, 14, 117, 'kredit',
 '2009-12-16', 100000);
Query OK, 1 row affected (0.28 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(48, 13, 116, 'debit',
'2009-12-16', 200000);
Query OK, 1 row affected (0.74 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(49, 12, 115, 'kredit',
 '2009-12-17', 20000);
Query OK, 1 row affected (0.39 sec)

mysql> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES(50, 11, 114, 'kredit',
 '2009-12-18', 60000);
Query OK, 1 row affected (0.15 sec)

mysql> []
```

root@pop-os: /home/kintosi   🔍 ☰ ❌

```
mysql> 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	2009-12-07 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        | 2009-12-07 00:00:00 |   50000 |
|          32 |            12 |         115 | debit        | 2009-12-07 00:00:00 |  100000 |
|          33 |            13 |         116 | kredit       | 2009-12-08 00:00:00 |   20000 |
|          34 |            14 |         117 | debit        | 2009-12-09 00:00:00 |  200000 |
|          35 |            15 |         118 | kredit       | 2009-12-09 00:00:00 |  500000 |
|          36 |            16 |         119 | kredit       | 2009-12-10 00:00:00 |  700000 |
|          37 |            17 |         120 | kredit       | 2009-12-11 00:00:00 |   30000 |
|          38 |            18 |         121 | debit        | 2009-12-11 00:00:00 |   80000 |
|          39 |            19 |         122 | debit        | 2009-12-12 00:00:00 |   90000 |
|          40 |            20 |         123 | debit        | 2009-12-12 00:00:00 |  300000 |
|          41 |            20 |         123 | kredit       | 2009-12-12 00:00:00 |  300000 |
|          42 |            19 |         122 | kredit       | 2009-12-12 00:00:00 |  200000 |
|          43 |            18 |         121 | kredit       | 2009-12-12 00:00:00 |   40000 |
|          44 |            17 |         120 | debit        | 2009-12-13 00:00:00 |   60000 |
|          45 |            16 |         119 | debit        | 2009-12-14 00:00:00 |   70000 |
|          46 |            15 |         118 | debit        | 2009-12-15 00:00:00 |   80000 |
|          47 |            14 |         117 | kredit       | 2009-12-16 00:00:00 |  100000 |
|          48 |            13 |         116 | debit        | 2009-12-16 00:00:00 |  200000 |
|          49 |            12 |         115 | kredit       | 2009-12-17 00:00:00 |   20000 |
|          50 |            11 |         114 | kredit       | 2009-12-18 00:00:00 |   60000 |
+-------------+--------------+-------------+--------------+---------------------+---------+
50 rows in set (0.00 sec)

mysql>
```