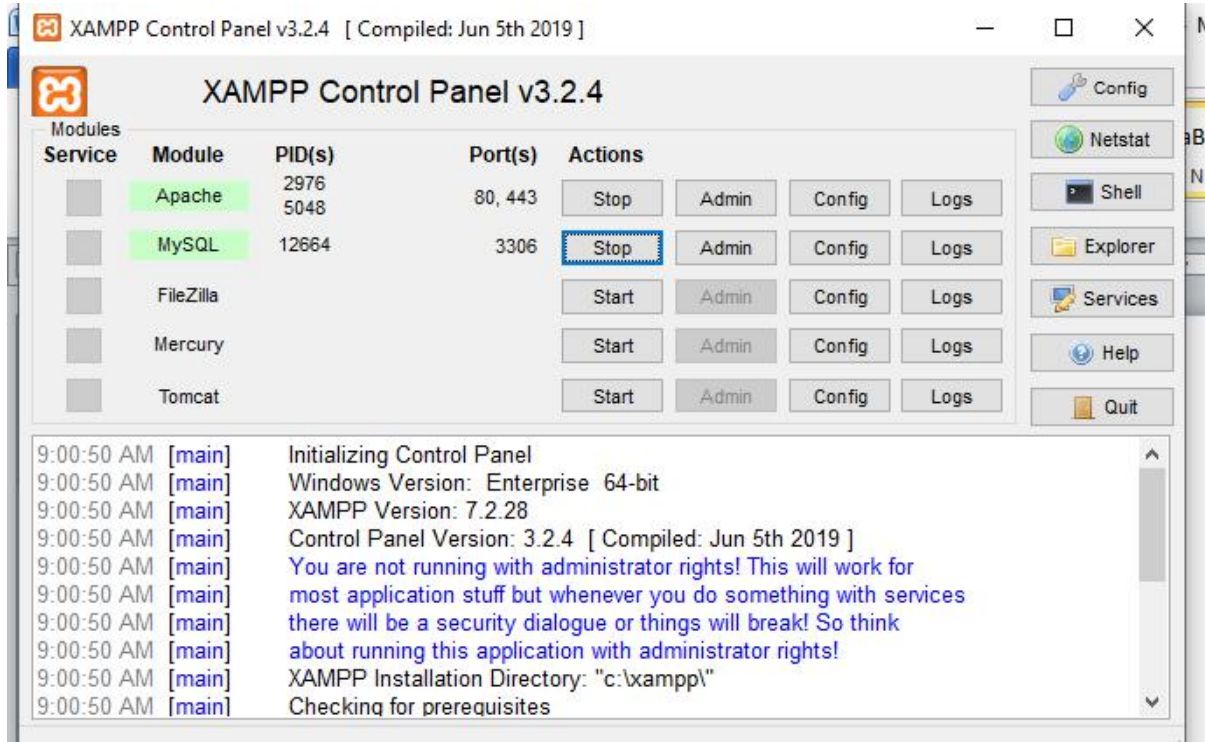


Nama : Fannisa Rif'ani M

NIM : L200180048

Kelas : B

Jalankan XAMPP control panel



Buka cmd

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ACER-DESKTOP>cd/

C:\>cd C:/xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use perbankan
Database changed
```

Table nasabah

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

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(1, 'Sutopo',' Jl. Jendral Sudirman 12');
Query OK, 1 row affected (0.227 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(2, 'Maryati',' Jl. MT. Haryono 31');
Query OK, 1 row affected (0.436 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(2, 'Suparman',' Jl Hasanudin 81');
ERROR 1062 (23000): Duplicate entry '2' for key 'PRIMARY'
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(3, 'Suparman',' Jl Hasanudin 81');
Query OK, 1 row affected (0.054 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(4, 'Kartika Pandansari',' Jl Manggis 15');
Query OK, 1 row affected (0.039 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(5, 'Budi Eko Prayogo',' Jl kanti 30');
Query OK, 1 row affected (0.049 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 (0.055 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(7, 'Indri Hapsari',' Jl Sutoyo 5');
Query OK, 1 row affected (0.064 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(8, 'Sari Murti',' Jl Pangandaran 11');
Query OK, 1 row affected (0.057 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(9, 'Canka Lokananta',' Jl Tidar 86');
Query OK, 1 row affected (0.407 sec)

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES(10, 'Budi Murtono',' Jl Merak 22');
Query OK, 1 row affected (0.063 sec)
```

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

h' at line 1
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 Pandansari | Jl Manggis 15 |
| 5 | Budi Eko Prayogo | Jl kanti 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 |
+-----+-----+-----+
```

Table :cabang_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUE('BRUS',' Bank Rut Unit Surakarta',' Jl Slamet Riyadi 18');
Query OK, 1 row affected (0.160 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUE('BRUM',' Bank Rut Unit Magelang',' Jl P. Tendean 63');
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUE('BRUB',' Bank Rut Unit Boyolali',' Jl. Ahmad Yani 45');
Query OK, 1 row affected (0.390 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUE('BRUK',' Bank Rut Unit Klaten',' Jl. Suparman 23');
Query OK, 1 row affected (0.339 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUE('BRUY',' Bank Rut Unit Yogyakarta',' Jl. Anggrek 21');
Query OK, 1 row affected (0.054 sec)

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUE('BRUW',' Bank Rut Unit Wonogiri',' Jl. Untung Suropati 12');
Query OK, 1 row affected (0.048 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)
```

Tabel : rekening

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 102 , ' BRUS', 2222 , 350000);
Query OK, 1 row affected (0.044 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 103 , ' BRUS', 3333 , 750000);
Query OK, 1 row affected (0.050 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 104 , ' BRUM', 4444 , 900000);
Query OK, 1 row affected (0.056 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 105 , ' BRUM', 5555 , 2000000);
Query OK, 1 row affected (0.042 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 106 , ' BRUS', 6666 , 3000000);
Query OK, 1 row affected (0.055 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 107 , ' BRUS', 7777 , 1000000);
Query OK, 1 row affected (0.061 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 108 , ' BRUB', 0000 , 5000000);
Query OK, 1 row affected (0.051 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 109 , ' BRUB', 9999 , 0);
Query OK, 1 row affected (0.410 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 110 , ' BRUY', 1234 , 550000);
Query OK, 1 row affected (0.421 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 111 , ' BRUK', 4321 , 150000);
Query OK, 1 row affected (0.057 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 112 , ' BRUK', 0123 , 300000);
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK , pin , saldo ) VALUE( 113 , ' BRUY', 8888 , 255000);
Query OK, 1 row affected (0.041 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 (0.001 sec)
```

Tabel : nasabah_has_rekening

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

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 1, 104);
Query OK, 1 row affected (0.112 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 2, 103);
Query OK, 1 row affected (0.077 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 3, 105);
Query OK, 1 row affected (0.051 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 3, 106);
Query OK, 1 row affected (0.048 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 4, 101);
Query OK, 1 row affected (0.046 sec)

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

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 5, 102);
Query OK, 1 row affected (0.037 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 5, 107);
Query OK, 1 row affected (0.052 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 6, 109);
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 7, 109);
Query OK, 1 row affected (0.052 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 8, 111);
Query OK, 1 row affected (0.048 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 9, 110);
Query OK, 1 row affected (0.052 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 10, 113);
Query OK, 1 row affected (0.051 sec)

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK ) VALUE( 8, 112);
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> INSERT INTO nasabah has rekening(id_nasabahFK, no_rekeningFK ) VALUE( 10, 108);
```

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

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 (0.001 sec)

MariaDB [perbankan]>
```

Tabel : transaksi

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

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, 1 warning (0.139 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, 1 warning (0.068 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, 1 warning (0.083 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, 1 warning (0.038 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, 1 warning (0.407 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(6, 104, 1, 'kredit', 2009-11-15, 20000);
Query OK, 1 row affected, 1 warning (0.056 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(7, 110, 9, 'kredit', 2009-11-15, 15000);
Query OK, 1 row affected, 1 warning (0.055 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, 1 warning (0.038 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, 1 warning (0.044 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(10, 107, 4, 'debit', 2009-11-19, 10000);
Query OK, 1 row affected, 1 warning (0.053 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(11, 103, 2, 'debit', 2009-11-19, 10000);
Query OK, 1 row affected, 1 warning (0.031 sec)
```

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

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, 1 warning (0.040 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(13, 107, 4, 'kredit', 2009-11-20, 20000);
Query OK, 1 row affected, 1 warning (0.026 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, 1 warning (0.047 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(15, 104, 1, 'kredit', 2009-11-22, 10000);
Query OK, 1 row affected, 1 warning (0.050 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, 1 warning (0.050 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, 1 warning (0.048 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, 1 warning (0.041 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(19, 108, 10, 'debit', 2009-11-26, 10000);
Query OK, 1 row affected, 1 warning (0.047 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, 1 warning (0.047 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(21, 103, 2, 'kredit', 2009-11-28, 20000);
Query OK, 1 row affected, 1 warning (0.083 sec)

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(22, 105, 3, 'kredit', 2009-11-28, 10000);
Query OK, 1 row affected, 1 warning (0.042 sec)
```

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

MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES(22, 105, 3, 'kredit', 2009-11-28, 10000);
Query OK, 1 row affected, 1 warning (0.042 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, 1 warning (0.137 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, 1 warning (0.434 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, 1 warning (0.044 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, 1 warning (0.412 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, 1 warning (0.052 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, 1 warning (0.051 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, 1 warning (0.443 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, 1 warning (0.081 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 |
+-----+-----+-----+-----+-----+-----+
30 rows in set (0.001 sec)

```

LAKUKAN UPDATE KASUSU_KASUS

Nasabah dengan nama 'indri hapsari' pindah alamat ke Jalan Slamet Riyadi No.34

```

MariaDB [perbankan]> UPDATE nasabah
-> SET alamat_nasabah = 'Jalan Slamet Riyadi No.34'
-> WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.029 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 Pandansari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jalan Slamet Riyadi No.34 |
| 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)

```

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

```

MariaDB [perbankan]> UPDATE cabang_bank
-> SET alamat_cabang = 'Jalan A. Yani No.23'
-> WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.061 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]>

```


LAKUKAN PENGHAPUSAN UNTUK KASUS-KASUS BERIKUT

Nasabah dengan id '7' menutup rekeningnya

```
MariaDB [perbankan]> DELETE FROM nasabah
-> WHERE id_nasabah = 7;
Query OK, 1 row affected (0.421 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 Pandansari	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 (0.000 sec)

MariaDB [perbankan]> _
```



Cabang dengan nama_cabang "Bakn Rut Unit Magelang" menutup kantornya


```
MariaDB [perbankan]> DELETE FROM cabang_bank WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 0 rows affected (0.000 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	Jalan A. Yani No.23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

```
5 rows in set (0.000 sec)

MariaDB [perbankan]> _
```



Tugas

Nasabah


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

MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUE
-> (11, 'Tono', 'Jl Mawar 14'),
-> (12, 'Martin', 'Jl Jendral Soedirman 20'),
-> (14, 'suparno', 'Jl kartini 10'),
-> (15, 'Paijan', 'Jl Kenanga 33'),
-> (16, 'Novita', 'Jl Sakura 05'),
-> (17, 'Tiara Ayu', 'Jl Merpati 16'),
-> (18, 'jojo saputra', 'Jl Hasanudin 22'),
-> (19, 'Toni Setyo Budi', 'Jl Garuda 40'),
-> (20, 'Andi Setiawan', 'Jl Anggrek 13');
Query OK, 9 rows affected (0.069 sec)
Records: 9 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 Pandansari | Jl Manggis 15 |
| 5 | Budi Eko Prayogo | Jl kanti 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 | Tono | Jl Mawar 14 |
| 12 | Martin | Jl Jendral Soedirman 20 |
| 14 | suparno | Jl kartini 10 |
| 15 | Paijan | Jl Kenanga 33 |
| 16 | Novita | Jl Sakura 05 |
| 17 | Tiara Ayu | Jl Merpati 16 |
| 18 | jojo saputra | Jl Hasanudin 22 |
| 19 | Toni Setyo Budi | Jl Garuda 40 |
| 20 | Andi Setiawan | Jl Anggrek 13 |
+-----+-----+-----+
18 rows in set (0.001 sec)
```

Cabang_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BRUP', 'Bank Rut Unit Purwodadi', 'Jl. Merak 11'),
-> ('BRUM', 'Bank Rut Unit Malang', 'Jl. Kartini 31'),
-> ('BRUJ', 'Bank Rut Unit Jakarta', 'Jl. Garuda'),
-> ('BRUD', 'Bank Rut Unit Depok', 'Jl. Mawar 12'),
-> ('BRUT', 'Bank Rut Unit Ternate', 'Jl. pattimura 30'),
-> ('BRUG', 'Bank Rut Unit Gemolong', 'Jl. Merpati 18'),
-> ('BRUC', 'Bank Rut Unit Cikarang', 'Jl. Melati 06'),
-> ('BRUL', 'Bank Rut Unit Lampung', 'Jl. Senopati 19'),
-> ('BRUR', 'Bank Rut Unit Rembang', 'Jl. Sakura 20'),
-> ('BRUA', 'Bank Rut Unit Aceh', 'Jl. Gajah Mada 32');
Query OK, 10 rows affected (0.063 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select *from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUA | Bank Rut Unit Aceh | Jl. Gajah Mada 32 |
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| BRUC | Bank Rut Unit Cikarang | Jl. Melati 06 |
| BRUD | Bank Rut Unit Depok | Jl. Mawar 12 |
| BRUG | Bank Rut Unit Gemolong | Jl. Merpati 18 |
| BRUD | Bank Rut Unit Jakarta | Jl. Garuda |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUL | Bank Rut Unit Lampung | Jl. Senopati 19 |
| BRUM | Bank Rut Unit Malang | Jl. Kartini 31 |
| BRUP | Bank Rut Unit Purwodadi | Jl. Merak 11 |
| BRUR | Bank Rut Unit Rembang | Jl. Sakura 20 |
| BRUS | Bank Rut Unit Surakarta | Jl Slamet Riyadi 18 |
| BRUT | Bank Rut Unit Ternate | Jl. pattimura 30 |
| 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)
```

Rekening

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

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES
-> (114, 'BRUD', 2345, 300000),
-> (115, 'BRUY', 2233, 450000),
-> (116, 'BRUR', 1112, 450000),
-> (117, 'BRUS', 1212, 450000),
-> (118, 'BRUM', 1144, 600000),
-> (119, 'BRUP', 1145, 700000),
-> (120, 'BRUP', 1675, 900000),
-> (121, 'BRUT', 1621, 950000),
-> (122, 'BRUL', 1313, 1500000),
-> (123, 'BRUJ', 1312, 1800000);
Query OK, 10 rows affected (0.081 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 | BRUD | 2345 | 300000 |
| 115 | BRUY | 2233 | 450000 |
| 116 | BRUR | 1112 | 450000 |
| 117 | BRUS | 1212 | 450000 |
| 118 | BRUM | 1144 | 600000 |
| 119 | BRUP | 1145 | 700000 |
| 120 | BRUP | 1675 | 900000 |
| 121 | BRUT | 1621 | 950000 |
| 122 | BRUL | 1313 | 1500000 |
| 123 | BRUJ | 1312 | 1800000 |
+-----+-----+-----+-----+
23 rows in set (0.000 sec)
```

Nasabah_has_rekening

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

(1, 111) at line 3
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES
-> (2, 108),
-> (1, 111),
-> (7, 120),
-> (4, 116),
-> (3, 100),
-> (5, 105),
-> (4, 115),
-> (3, 103),
-> (1, 101),
-> (4, 222);
Query OK, 10 rows affected (0.060 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select *from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 101 |
| 1 | 104 |
| 1 | 111 |
| 2 | 103 |
| 2 | 108 |
| 3 | 100 |
| 3 | 103 |
| 3 | 105 |
| 3 | 106 |
| 4 | 101 |
| 4 | 107 |
| 4 | 115 |
| 4 | 116 |
| 4 | 222 |
| 5 | 102 |
| 5 | 105 |
| 5 | 107 |
| 6 | 109 |
| 7 | 109 |
| 7 | 120 |
| 8 | 109 |
| 8 | 111 |
| 8 | 112 |
| 9 | 110 |
| 10 | 108 |
+-----+-----+
```

Transaksi

```
Command Prompt - mysql -u root -p
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (31, 111, 5, 'debit', '2009-12-7, 250000),
-> (32, 101, 3, 'debit', '2009-12-8, 20000),
-> (33, 112, 7, 'kredit', '2009-12-8, 200000),
-> (34, 103, 8, 'kredit', '2009-12-8, 100000),
-> (35, 105, 6, 'debit', '2009-12-9, 50000),
-> (36, 107, 1, 'kredit', '2009-12-9, 250000),
-> (37, 110, 2, 'kredit', '2009-12-10, 200000),
-> (38, 109, 4, 'kredit', '2009-12-10, 100000),
-> (39, 111, 6, 'debit', '2009-12-11, 30000),
-> (41, 112, 5, 'debit', '2009-12-12, 50000),
-> (42, 106, 9, 'debit', '2009-12-13, 30000),
-> (43, 108, 2, 'kredit', '2009-12-13, 300000),
-> (44, 105, 1, 'kredit', '2009-12-13, 200000),
-> (45, 102, 2, 'debit', '2009-12-14, 20000),
-> (46, 109, 3, 'debit', '2009-12-14, 40000),
-> (47, 110, 4, 'kredit', '2009-12-15, 400000),
-> (48, 111, 3, 'debit', '2009-12-16, 35000),
-> (49, 107, 5, 'debit', '2009-12-17, 30000),
-> (50, 106, 1, 'kredit', '2009-12-18, 250000);
Query OK, 19 rows affected, 19 warnings (0.065 sec)
Records: 19 Duplicates: 0 Warnings: 19

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

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

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	5	111	debit	0000-00-00 00:00:00	250000
32	3	101	debit	0000-00-00 00:00:00	20000
33	7	112	kredit	0000-00-00 00:00:00	200000
34	8	103	kredit	0000-00-00 00:00:00	100000
35	6	105	debit	0000-00-00 00:00:00	50000
36	1	107	kredit	0000-00-00 00:00:00	250000
37	2	110	kredit	0000-00-00 00:00:00	200000
38	4	109	kredit	0000-00-00 00:00:00	100000
39	6	111	debit	0000-00-00 00:00:00	30000
41	5	112	debit	0000-00-00 00:00:00	50000
42	9	106	debit	0000-00-00 00:00:00	30000
43	2	108	kredit	0000-00-00 00:00:00	300000
44	1	105	kredit	0000-00-00 00:00:00	200000
45	2	102	debit	0000-00-00 00:00:00	20000
46	3	109	debit	0000-00-00 00:00:00	40000
47	4	110	kredit	0000-00-00 00:00:00	400000
48	3	111	debit	0000-00-00 00:00:00	35000
49	5	107	debit	0000-00-00 00:00:00	30000
50	1	106	kredit	0000-00-00 00:00:00	250000

49 rows in set (0.001 sec)