NAMA = DITA DENITA P

NIM = L200170139

KELAS = E

MODUL = 5


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

Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\ACER>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 2
Server version: 10.1.38-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)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| kuliah             |
| mysql              |
| perbankan          |
| performance_schema |
| perkuliahan        |
| phpmyadmin         |
| test               |
+--------------------+
8 rows in set (0.17 sec)

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
    -> (1, 'Sutopo', 'Jl.Jendral Sudirman 12'),
    -> (2, 'Maryam','Jl.MT.Haryono 31'),
    -> (3, 'Suparman','Jl.Hasanudin 81'),
    -> (4, 'Kartika Padmasari', 'Jl.Manggis 15'),
    -> (5, 'Budi Eko Prayoga','Jl.Kantil 30'),
    -> (6, 'Satria Eka Jaya', 'Jl.Slamet Riyadi 45'),
    -> (7, 'Indri Hapsari', 'Jl.Sutopo 5'),
    -> (8, 'Sari Murti', 'Jl.Tidar 86'),
    -> (9, 'Canka Lokananta', 'Jl.Merak 22');
```

```
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
    -> (1, 'Sutopo', 'Jl.Jendral Sudirman 12'),
    -> (2, 'Maryam','Jl.MT.Haryono 31'),
    -> (3, 'Suparman','Jl.Hasanudin 81'),
    -> (4, 'Kartika Padmasari', 'Jl.Manggis 15'),
    -> (5, 'Budi Eko Prayoga','Jl.Kantil 30'),
    -> (6, 'Satria Eka Jaya', 'Jl.Slamet Riyadi 45'),
    -> (7, 'Indri Hapsari', 'Jl.Sutopo 5'),
    -> (8, 'Sari Murti', 'Jl.Pangandaran 11'),
    -> (9, 'Canka Lokananta', 'Jl.Tidar 86'),
    -> (10, 'Budi Murtono', 'Jl.Merak 22');
Query OK, 10 rows affected (0.05 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values
    -> ('BRUS','Bank Rut Unit Surakarta', 'Jl.Slamet Riyadi 18'),
    -> ('BRUM','Bank Rut Unit Magelang', 'Jl.P.Tendean 63'),
    -> ('BRUB','Bank Rut Unit Boyolali', 'Jl.Ahmad Yani 45'),
    -> ('BURK','Bank Rut Unit Klaten', 'Jl.Suparman 23'),
    -> ('BURY','Bank Rut Unit Yogyakarta', 'Jl.Anggrek 21'),
    -> ('BURW','Bank Rut Unit Wonogiri', 'Jl.Untung Suropati 12');
Query OK, 6 rows affected (0.07 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
    -> (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, 550000),
    -> (111, 'BRUK', 4321, 150000),
    -> (112, 'BRUK', 0123, 300000),
    -> (113, 'BRUY', 8888, 255000);
Query OK, 13 rows affected (0.18 sec)
Records: 13  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
    -> (1, 104),
    -> (2, 103),
    -> (3, 105),
    -> (3, 106),
    -> (4, 101),
    -> (4, 107),
    -> (5, 102),
    -> (5, 107),
    -> (6, 109),
    -> (7, 109),
    -> (8, 111),
    -> (9, 110),
    -> (10, 113),
    -> (8, 112),
    -> (10, 108);
Query OK, 15 rows affected (0.14 sec)
Records: 15  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
    -> (1, 105, 3, 'debit', 2009-11-10, 50000),
    -> (2, 103, 2, 'debit', 2009-11-10, 40000),
    -> (3, 101, 4, 'kredit', 2009-11-12, 20000),
    -> (4, 106, 3, 'debit', 2009-11-13, 50000),
    -> (5, 107, 5, 'kredit', 2009-11-13, 30000),
    -> (6, 104, 1, 'kredit', 2009-11-15, 200000),
    -> (7, 110, 9, 'kredit', 2009-11-15, 150000),
    -> (8, 102, 5, 'debit', 2009-11-16, 20000),
    -> (9, 105, 3, 'kredit', 2009-11-18, 50000),
    -> (10, 107, 4, 'debit', 2009-11-19, 100000),
    -> (11, 103, 2, 'debit', 2009-11-19, 100000),
    -> (12, 104, 1, 'debit', 2009-11-19, 50000),
    -> (13, 107, 4, 'kredit', 2009-11-20, 200000),
    -> (14, 105, 3, 'debit', 2009-11-21, 40000),
    -> (15, 104, 1, 'kredit', 2009-11-22, 100000),
    -> (16, 101, 4, 'kredit', 2009-11-22, 20000),
    -> (17, 103, 2, 'debit', 2009-11-22, 50000),
    -> (18, 102, 5, 'debit', 2009-11-25, 50000),
    -> (19, 108, 10, 'debit', 2009-11-26, 100000),
    -> (20, 106, 3, 'kredit', 2009-11-27, 50000),
    -> (21, 103, 2, 'kredit', 2009-11-28, 200000),
    -> (22, 105, 3, 'kredit', 2009-11-28, 100000),
    -> (23, 102, 5, 'debit', 2009-11-30, 20000),
    -> (24, 104, 1, 'debit', 2009-12-1, 50000),
    -> (25, 103, 2, 'debit', 2009-12-2, 40000),
    -> (26, 101, 4, 'debit', 2009-12-4, 50000),
    -> (27, 103, 2, 'kredit', 2009-12-5, 100000),
    -> (28, 102, 5, 'kredit', 2009-12-5, 200000),
    -> (29, 109, 7, 'debit', 2009-12-5, 100000),
    -> (30, 110, 9, 'debit', 2009-12-6, 20000);
Query OK, 30 rows affected, 30 warnings (0.17 sec)
Records: 30  Duplicates: 0  Warnings: 30
```
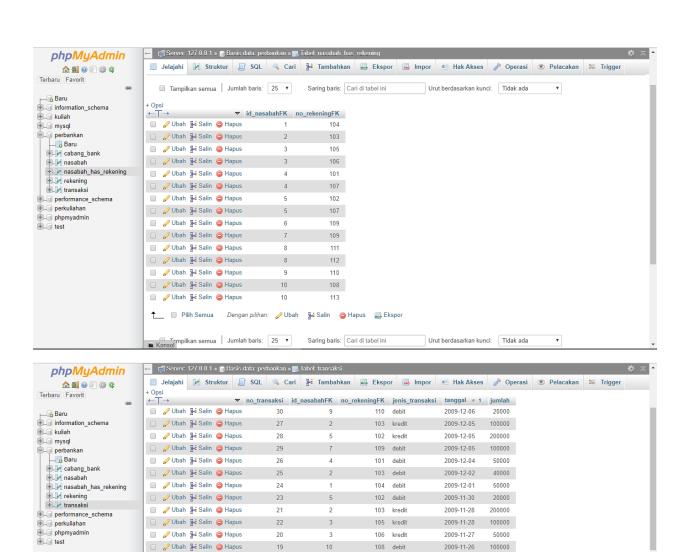
Hasil :

```
MariaDB [perbankan]> select * from nasabah;
+------------+------------------+------------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah         |
+------------+------------------+------------------------+
|          1 | Sutopo           | Jl.Jendral Sudirman 12 |
|          2 | Maryam           | Jl.MT.Haryono 31       |
|          3 | Suparman         | Jl.Hasanudin 81        |
|          4 | Kartika Padmasari | Jl.Manggis 15         |
|          5 | Budi Eko Prayoga | Jl.Kantil 30           |
|          6 | Satria Eka Jaya  | Jl.Slamet Riyadi 45    |
|          8 | Sari Murti       | Jl.Pangandaran 11      |
|          9 | Canka Lokananta  | Jl.Tidar 86            |
|         10 | Budi Murtono     | Jl.Merak 22            |
+------------+------------------+------------------------+
9 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select * from cabang_bank;
+-------------+------------------------+----------------------+
| kode_cabang | nama_cabang            | alamat_cabang        |
+-------------+------------------------+----------------------+
| BRUB        | Bank Rut Unit Boyolali | Jl.Ahmad Yani 45     |
| BRUK        | Bank Rut Unit Klaten   | Jl.Suparman 23       |
| BRUS        | Bank Rut Unit Surakarta | Jl.Slamet Riyadi 18 |
| BRUW        | Bank Rut Unit Wonogiri | Jl. A.Yani No.23     |
| BRUY        | Bank Rut Unit Yogyakarta | Jl.Anggrek 21      |
+-------------+------------------------+----------------------+
5 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select * from rekening;
+-------------+-------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+-------------+-------------+------+---------+
|         101 | BRUS        | 1111 |  500000 |
|         102 | BRUS        | 2222 |  350000 |
|         103 | BRUS        | 3333 |  750000 |
|         104 | BRUM        | 4444 |  900000 |
|         105 | BRUM        | 5555 | 2000000 |
|         106 | BRUS        | 6666 | 3000000 |
|         107 | BRUS        | 7777 | 1000000 |
|         108 | BRUB        |    0 | 5000000 |
|         109 | BRUB        | 9999 |       0 |
|         110 | BRUY        | 1234 |  550000 |
|         111 | BRUK        | 4321 |  150000 |
|         112 | BRUK        |  123 |  300000 |
|         113 | BRUY        | 8888 |  255000 |
+-------------+-------------+------+---------+
13 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select * from nasabah_has_rekening;
+-------------+-------------+
| id_nasabahFK | no_rekeningFK |
+-------------+-------------+
|           1 |         104 |
|           2 |         103 |
|           3 |         105 |
|           3 |         106 |
|           4 |         101 |
|           4 |         107 |
|           5 |         102 |
|           5 |         107 |
|           6 |         109 |
|           7 |         109 |
|           8 |         111 |
|           8 |         112 |
|           9 |         110 |
|          10 |         108 |
|          10 |         113 |
+-------------+-------------+
15 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select * from transaksi;
+-------------+-------------+-------------+---------------+------------+---------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal    | jumlah  |
+-------------+-------------+-------------+---------------+------------+---------+
|           1 |           3 |         105 | debit          | 2009-11-10 |   50000 |
|           2 |           2 |         103 | debit          | 2009-11-10 |   40000 |
|           3 |           4 |         101 | kredit         | 2009-11-12 |   20000 |
|           4 |           3 |         106 | debit          | 2009-11-13 |   50000 |
|           5 |           5 |         107 | kredit         | 2009-11-13 |   30000 |
|           6 |           1 |         104 | kredit         | 2009-11-15 |  200000 |
|           7 |           9 |         110 | kredit         | 2009-11-15 |  150000 |
|           8 |           5 |         102 | debit          | 2009-11-16 |   20000 |
|           9 |           3 |         105 | kredit         | 2009-11-18 |   50000 |
|          10 |           4 |         107 | debit          | 2009-11-19 |  100000 |
|          11 |           2 |         103 | debit          | 2009-11-19 |  100000 |
|          12 |           1 |         104 | debit          | 2009-11-19 |   50000 |
|          13 |           4 |         107 | kredit         | 2009-11-20 |  200000 |
|          14 |           3 |         105 | debit          | 2009-11-21 |   40000 |
|          15 |           1 |         104 | kredit         | 2009-11-22 |  100000 |
|          16 |           4 |         101 | kredit         | 2009-11-22 |   20000 |
|          17 |           2 |         103 | debit          | 2009-11-22 |   50000 |
|          18 |           5 |         102 | debit          | 2009-11-25 |   50000 |
|          19 |          10 |         108 | debit          | 2009-11-26 |  100000 |
|          20 |           3 |         106 | kredit         | 2009-11-27 |   50000 |
|          21 |           2 |         103 | kredit         | 2009-11-28 |  200000 |
|          22 |           3 |         105 | kredit         | 2009-11-28 |  100000 |
|          23 |           5 |         102 | debit          | 2009-11-30 |   20000 |
|          24 |           1 |         104 | debit          | 2009-12-01 |   50000 |
|          25 |           2 |         103 | debit          | 2009-12-02 |   40000 |
|          26 |           4 |         101 | debit          | 2009-12-04 |   50000 |
|          27 |           2 |         103 | kredit         | 2009-12-05 |  100000 |
|          28 |           5 |         102 | kredit         | 2009-12-05 |  200000 |
|          29 |           7 |         109 | debit          | 2009-12-05 |  100000 |
|          30 |           9 |         110 | debit          | 2009-12-06 |   20000 |
+-------------+-------------+-------------+---------------+------------+---------+
30 rows in set (0.00 sec)
```


phpMyAdmin

Server: 127.0.0.1 » Basis data: perbankan » Tabel: nasabah

Jelajahi | Struktur | SQL | Cari | Tambahkan | Ekspor | Impor | Hak Akses | Operasi | Pelacakan | Trigger

✔ Menampilkan baris 0 - 9 (total 10, Pencarian dilakukan dalam 0,0000 detik.)

SELECT * FROM `nasabah`

Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]

☑ Tampilkan semua   Jumlah baris: Semua ▼   Saring baris: Cari di tabel ini   Urut berdasarkan kunci: Tidak ada ▼

+ Opsi

	id_nasabah	nama_nasabah	alamat_nasabah
Ubah Salin Hapus	1	Sutopo	Jl.Jendral Sudirman 12
Ubah Salin Hapus	2	Maryam	Jl.MT.Haryono 31
Ubah Salin Hapus	3	Suparman	Jl.Hasanudin 81
Ubah Salin Hapus	4	Kartika Padmasari	Jl.Manggis 15
Ubah Salin Hapus	5	Budi Eko Prayoga	Jl.Kantil 30
Ubah Salin Hapus	6	Satria Eka Jaya	Jl.Slamet Riyadi 45
Ubah Salin Hapus	7	Indri Hapsari	Jl.Sutopo 5
Ubah Salin Hapus	8	Sari Murti	Jl.Pangandaran 11
Ubah Salin Hapus	9	Canka Lokananta	Jl.Tidar 86
Ubah Salin Hapus	10	Budi Murtono	Jl.Merak 22

↑ ☐ Pilih Semua   Dengan pilihan: Ubah Salin Hapus Ekspor

☑ Tampilkan semua   Jumlah baris: Semua ▼   Saring baris: Cari di tabel ini   Urut berdasarkan kunci: Tidak ada ▼

Konsol

Terbaru | Favorit

Server: 127.0.0.1 » Basis data: perbankan » Tabel: cabang_bank

Jelajahi | Struktur | SQL | Cari | Tambahkan | Ekspor | Impor | Hak Akses | Operasi | Pelacakan | Trigger

- Baru
- information_schema
- kuliah
- mysql
- perbankan
  - Baru
  - cabang_bank
  - nasabah
  - nasabah_has_rekening
  - rekening
  - transaksi
- performance_schema
- perkuliahan
- phpmyadmin
- test

Menampilkan baris 0 - 5 (total 6, Pencarian dilakukan dalam 0,0000 detik.)

SELECT * FROM `cabang_bank`

Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]

Tampilkan semua | Jumlah baris: Semua | Saring baris: Cari di tabel ini | Urut berdasarkan kunci: Tidak ada

+ Opsi

				kode_cabang	nama_cabang	alamat_cabang
	Ubah	Salin	Hapus	BRUB	Bank Rut Unit Boyolali	Jl.Ahmad Yani 45
	Ubah	Salin	Hapus	BRUK	Bank Rut Unit Klaten	Jl.Suparman 23
	Ubah	Salin	Hapus	BRUM	Bank Rut Unit Magelang	Jl.P.Tendean 63
	Ubah	Salin	Hapus	BRUS	Bank Rut Unit Surakarta	Jl.Slamet Riyadi 18
	Ubah	Salin	Hapus	BRUW	Bank Rut Unit Wonogiri	Jl.Untung Suropati 12
	Ubah	Salin	Hapus	BRUY	Bank Rut Unit Yogyakarta	Jl.Anggrek 21

Pilih Semua | Dengan pilihan: Ubah | Salin | Hapus | Ekspor

Tampilkan semua | Jumlah baris: Semua | Saring baris: Cari di tabel ini | Urut berdasarkan kunci: Tidak ada

Operasi hasil kueri

Cetak | Salin ke clipboard | Ekspor | Tampilkan bagan | Buat tampilan

---

Terbaru | Favorit

Server: 127.0.0.1 » Basis data: perbankan » Tabel: rekening

Jelajahi | Struktur | SQL | Cari | Tambahkan | Ekspor | Impor | Hak Akses | Operasi | Pelacakan | Trigger

- Baru
- information_schema
- kuliah
- mysql
- perbankan
  - Baru
  - cabang_bank
  - nasabah
  - nasabah_has_rekening
  - rekening
  - transaksi
- performance_schema
- perkuliahan
- phpmyadmin
- test

Menampilkan baris 0 - 12 (total 13, Pencarian dilakukan dalam 0,0000 detik.)

SELECT * FROM `rekening`

Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]

Tampilkan semua | Jumlah baris: 25 | Saring baris: Cari di tabel ini | Urut berdasarkan kunci: Tidak ada

+ Opsi

				no_rekening	kode_cabangFK	pin	saldo
	Ubah	Salin	Hapus	101	BRUS	1111	500000
	Ubah	Salin	Hapus	102	BRUS	2222	350000
	Ubah	Salin	Hapus	103	BRUS	3333	750000
	Ubah	Salin	Hapus	104	BRUM	4444	900000
	Ubah	Salin	Hapus	105	BRUM	5555	2000000
	Ubah	Salin	Hapus	106	BRUS	6666	3000000
	Ubah	Salin	Hapus	107	BRUS	7777	1000000
	Ubah	Salin	Hapus	108	BRUB	0	5000000
	Ubah	Salin	Hapus	109	BRUB	9999	0
	Ubah	Salin	Hapus	110	BRUY	1234	550000
	Ubah	Salin	Hapus	111	BRUK	4321	150000
	Ubah	Salin	Hapus	112	BRUK	123	300000
	Ubah	Salin	Hapus	113	BRUY	8888	255000

Pilih Semua | Dengan pilihan: Ubah | Salin | Hapus | Ekspor

Konsol

Jelajahi | Struktur | SQL | Cari | Tambahkan | Ekspor | Impor | Hak Akses | Operasi | Pelacakan | Trigger

☐ Tampilkan semua | Jumlah baris: 25 ▾ | Saring baris: Cari di tabel ini | Urut berdasarkan kunci: Tidak ada ▾

+ Opsi

				id_nasabahFK	no_rekeningFK
☐	Ubah	Salin	Hapus	1	104
☐	Ubah	Salin	Hapus	2	103
☐	Ubah	Salin	Hapus	3	105
☐	Ubah	Salin	Hapus	3	106
☐	Ubah	Salin	Hapus	4	101
☐	Ubah	Salin	Hapus	4	107
☐	Ubah	Salin	Hapus	5	102
☐	Ubah	Salin	Hapus	5	107
☐	Ubah	Salin	Hapus	6	109
☐	Ubah	Salin	Hapus	7	109
☐	Ubah	Salin	Hapus	8	111
☐	Ubah	Salin	Hapus	8	112
☐	Ubah	Salin	Hapus	9	110
☐	Ubah	Salin	Hapus	10	108
☐	Ubah	Salin	Hapus	10	113

↑ ☐ Pilih Semua | Dengan pilihan: Ubah | Salin | Hapus | Ekspor

☐ Tampilkan semua | Jumlah baris: 25 ▾ | Saring baris: Cari di tabel ini | Urut berdasarkan kunci: Tidak ada ▾

Konsol

Jelajahi | Struktur | SQL | Cari | Tambahkan | Ekspor | Impor | Hak Akses | Operasi | Pelacakan | Trigger

+ Opsi

				no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal ▾ 1	jumlah
☐	Ubah	Salin	Hapus	30	9	110	debit	2009-12-06	20000
☐	Ubah	Salin	Hapus	27	2	103	kredit	2009-12-05	100000
☐	Ubah	Salin	Hapus	28	5	102	kredit	2009-12-05	200000
☐	Ubah	Salin	Hapus	29	7	109	debit	2009-12-05	100000
☐	Ubah	Salin	Hapus	26	4	101	debit	2009-12-04	50000
☐	Ubah	Salin	Hapus	25	2	103	debit	2009-12-02	40000
☐	Ubah	Salin	Hapus	24	1	104	debit	2009-12-01	50000
☐	Ubah	Salin	Hapus	23	5	102	debit	2009-11-30	20000
☐	Ubah	Salin	Hapus	21	2	103	kredit	2009-11-28	200000
☐	Ubah	Salin	Hapus	22	3	105	kredit	2009-11-28	100000
☐	Ubah	Salin	Hapus	20	3	106	kredit	2009-11-27	50000
☐	Ubah	Salin	Hapus	19	10	108	debit	2009-11-26	100000
☐	Ubah	Salin	Hapus	18	5	102	debit	2009-11-25	50000
☐	Ubah	Salin	Hapus	15	1	104	kredit	2009-11-22	100000
☐	Ubah	Salin	Hapus	16	4	101	kredit	2009-11-22	20000
☐	Ubah	Salin	Hapus	17	2	103	debit	2009-11-22	50000
☐	Ubah	Salin	Hapus	14	3	105	debit	2009-11-21	40000
☐	Ubah	Salin	Hapus	13	4	107	kredit	2009-11-20	200000
☐	Ubah	Salin	Hapus	10	4	107	debit	2009-11-19	100000
☐	Ubah	Salin	Hapus	11	2	103	debit	2009-11-19	100000
☐	Ubah	Salin	Hapus	12	1	104	debit	2009-11-19	50000

Konsol

Lakukan update untuk kasus berikut.

a. Nasabah dengan nama 'Indri Hapsari' pindah alamat ke 'Jl.Slamet Riyadi No.34'


```
MariaDB [perbankan]> UPDATE nasabah
    -> SET alamat_nasabah='Jl. Slamet Riyadi No.34'
    -> WHERE nama_nasabah='Indri Hapsari';
Query OK, 1 row affected (1.57 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

b. Cabang dengan code 'BRUW' pindah ke alamat 'Jl.A.Yani No.23'

Lakukan penghapusan kasus berikut

a. Nasabah dengan id '7' menutup rekening

```
MariaDB [perbankan]> DELETE FROM nasabah
    -> WHERE id_nasabah='7';
Query OK, 1 row affected (0.14 sec)

MariaDB [perbankan]>
```

phpMyAdmin

Server: 127.0.0.1 » Basis data: perbankan » Tabel: nasabah

Jelajahi | Struktur | SQL | Cari | Tambahkan | Ekspor | Impor | Hak Akses | Operasi | Pelacakan | Trigger

✔ Menampilkan baris 0 - 8 (total 9, Pencarian dilakukan dalam 0,0000 detik.)

SELECT * FROM `nasabah`

☐ Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]

☑ Tampilkan semua   Jumlah baris: Semua ▾   Saring baris: Cari di tabel ini   Urut berdasarkan kunci: Tidak ada ▾

+ Opsi

				id_nasabah	nama_nasabah	alamat_nasabah
☐	Ubah	Salin	Hapus	1	Sutopo	Jl.Jendral Sudirman 12
☐	Ubah	Salin	Hapus	2	Maryam	Jl.MT.Haryono 31
☐	Ubah	Salin	Hapus	3	Suparman	Jl.Hasanudin 81
☐	Ubah	Salin	Hapus	4	Kartika Padmasari	Jl.Manggis 15
☐	Ubah	Salin	Hapus	5	Budi Eko Prayoga	Jl.Kantil 30
☐	Ubah	Salin	Hapus	6	Satria Eka Jaya	Jl.Slamet Riyadi 45
☐	Ubah	Salin	Hapus	8	Sari Murti	Jl.Pangandaran 11
☐	Ubah	Salin	Hapus	9	Canka Lokananta	Jl.Tidar 86
☐	Ubah	Salin	Hapus	10	Budi Murtono	Jl.Merak 22

↑ ☐ Pilih Semua   Dengan pilihan: Ubah   Salin   Hapus   Ekspor

☑ Tampilkan semua   Jumlah baris: Semua ▾   Saring baris: Cari di tabel ini   Urut berdasarkan kunci: Tidak ada ▾

```
MariaDB [perbankan]> select * from nasabah;
+------------+-------------------+------------------------+
| id_nasabah | nama_nasabah      | alamat_nasabah         |
+------------+-------------------+------------------------+
|          1 | Sutopo            | Jl.Jendral Sudirman 12 |
|          2 | Maryam            | Jl.MT.Haryono 31       |
|          3 | Suparman          | Jl.Hasanudin 81        |
|          4 | Kartika Padmasari | Jl.Manggis 15          |
|          5 | Budi Eko Prayoga  | Jl.Kantil 30           |
|          6 | Satria Eka Jaya   | Jl.Slamet Riyadi 45    |
|          8 | Sari Murti        | Jl.Pangandaran 11      |
|          9 | Canka Lokananta   | Jl.Tidar 86            |
|         10 | Budi Murtono      | Jl.Merak 22            |
+------------+-------------------+------------------------+
9 rows in set (0.00 sec)
```

b. Cabang dengan nama_cabang 'Bank Rut Unit Magelang' menutup kantor

```
MariaDB [perbankan]> DELETE FROM cabang_bank
    -> WHERE nama_cabang='Bank Rut Unit Magelang';
Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]>
```

```
MariaDB [perbankan]> select * from cabang_bank;
+-------------+-------------------------+---------------------+
| kode_cabang | nama_cabang             | alamat_cabang       |
+-------------+-------------------------+---------------------+
| BRUB        | Bank Rut Unit Boyolali  | Jl.Ahmad Yani 45    |
| BRUK        | Bank Rut Unit Klaten    | Jl.Suparman 23      |
| BRUS        | Bank Rut Unit Surakarta | Jl.Slamet Riyadi 18 |
| BRUW        | Bank Rut Unit Wonogiri  | Jl. A.Yani No.23    |
| BRUY        | Bank Rut Unit Yogyakarta| Jl.Anggrek 21       |
+-------------+-------------------------+---------------------+
5 rows in set (0.00 sec)
```

TUGAS

1. Menambah 10 data pada table nasabah

```
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
    -> (11, 'Suyani', 'Jl.Merdeka 17'),
    -> (12, 'Maria','Jl.Cendrawasih 31'),
    -> (13, 'Supardi','Jl.Hasanudin 11'),
    -> (14, 'Kartika Putri', 'Jl.Ahmad Yani 15'),
    -> (15, 'Prayoga','Jl.Kartini 3'),
    -> (16, 'Eka Sanjaya', 'Jl.Slamet Riyadi 25'),
    -> (17, 'Indra Agus', 'Jl.Anggrek 5'),
    -> (18, 'Sarina', 'Jl.Untung Suropati 91'),
    -> (19, 'Cankra Ananta', 'Jl.Garuda 86'),
    -> (20, 'Samanta', 'Jl.Ngesrep 22');
Query OK, 10 rows affected (0.07 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----------+------------------+-----------------------+
| id_nasabah | nama_nasabah    | alamat_nasabah        |
+-----------+------------------+-----------------------+
|         1 | Sutopo           | Jl.Jendral Sudirman 12 |
|         2 | Maryam           | Jl.MT.Haryono 31      |
|         3 | Suparman         | Jl.Hasanudin 81       |
|         4 | Kartika Padmasari | Jl.Manggis 15        |
|         5 | Budi Eko Prayoga | Jl.Kantil 30          |
|         6 | Satria Eka Jaya  | Jl.Slamet Riyadi 45   |
|         8 | Sari Murti       | Jl.Pangandaran 11     |
|         9 | Canka Lokananta  | Jl.Tidar 86           |
|        10 | Budi Murtono     | Jl.Merak 22           |
|        11 | Suyani           | Jl.Merdeka 17         |
|        12 | Maria            | Jl.Cendrawasih 31     |
|        13 | Supardi          | Jl.Hasanudin 11       |
|        14 | Kartika Putri    | Jl.Ahmad Yani 15      |
|        15 | Prayoga          | Jl.Kartini 3          |
|        16 | Eka Sanjaya      | Jl.Slamet Riyadi 25   |
|        17 | Indra Agus       | Jl.Anggrek 5          |
|        18 | Sarina           | Jl.Untung Suropati 91 |
|        19 | Cankra Ananta    | Jl.Garuda 86          |
|        20 | Samanta          | Jl.Ngesrep 22         |
+-----------+------------------+-----------------------+
19 rows in set (0.00 sec)
```

2. Menambah 10 data pada table cabang_bank

```
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values
    -> ('BRUJ','Bank Rut Unit Jakarta', 'Jl.Hayam Wuruk 25'),
    -> ('BRUD','Bank Rut Unit Demak', 'Jl.P.Tendean 63'),
    -> ('BRUP','Bank Rut Unit Purwokerto', 'Jl.Jaksa 44'),
    -> ('BRUA','Bank Rut Unit Aceh', 'Jl.A.Dahlan 23'),
    -> ('BRUI','Bank Rut Unit Irian', 'Jl.Cendikiawan 11'),
    -> ('BRUC','Bank Rut Unit Cianjur', 'Jl.A.Yani 21'),
    -> ('BRUT','Bank Rut Unit Temanggung', 'Jl.Juanda 2'),
    -> ('BRUL','Bank Rut Unit Lamongan', 'Jl.Supratman 31'),
    -> ('BRUN','Bank Rut Unit Nganjuk', 'Jl.Angkasa 71'),
    -> ('BRUG','Bank Rut Unit Gresik', 'Jl.Suropati 24');
Query OK, 10 rows affected (0.05 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.A.Dahlan 23      |
| BRUB        | Bank Rut Unit Boyolali   | Jl.Ahmad Yani 45    |
| BRUC        | Bank Rut Unit Cianjur    | Jl.A.Yani 21        |
| BRUD        | Bank Rut Unit Demak      | Jl.P.Tendean 63     |
| BRUG        | Bank Rut Unit Gresik     | Jl.Suropati 24      |
| BRUI        | Bank Rut Unit Irian      | Jl.Cendikiawan 11   |
| BRUJ        | Bank Rut Unit Jakarta    | Jl.Hayam Wuruk 25   |
| BRUK        | Bank Rut Unit Klaten     | Jl.Suparman 23      |
| BRUL        | Bank Rut Unit Lamongan   | Jl.Supratman 31     |
| BRUN        | Bank Rut Unit Nganjuk    | Jl.Angkasa 71       |
| BRUP        | Bank Rut Unit Purwokerto | Jl.Jaksa 44         |
| BRUS        | Bank Rut Unit Surakarta  | Jl.Slamet Riyadi 18 |
| BRUT        | Bank Rut Unit Temanggung | Jl.Juanda 2         |
| BRUW        | Bank Rut Unit Wonogiri   | Jl. A.Yani No.23    |
| BRUY        | Bank Rut Unit Yogyakarta | Jl.Anggrek 21       |
+-------------+--------------------------+---------------------+
15 rows in set (0.00 sec)
```

3. Menambah 10 data pada table rekening

```
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
    -> (114, 'BRUA', 2345, 5000000),
    -> (115, 'BRUD', 3456, 300000),
    -> (116, 'BRUC', 4567, 700000),
    -> (117, 'BRUA', 5678, 950000),
    -> (118, 'BRUG', 6789, 2500000),
    -> (119, 'BRUJ', 9876, 3000000),
    -> (120, 'BRUJ', 8765, 4000000),
    -> (121, 'BRUD', 7654, 6500000),
    -> (122, 'BRUP', 6543, 2500000),
    -> (123, 'BRUP', 5432, 550000);
Query OK, 10 rows affected (1.50 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 | BRUA         | 2345 | 5000000 |
|        115 | BRUD         | 3456 |  300000 |
|        116 | BRUC         | 4567 |  700000 |
|        117 | BRUA         | 5678 |  950000 |
|        118 | BRUG         | 6789 | 2500000 |
|        119 | BRUJ         | 9876 | 3000000 |
|        120 | BRUJ         | 8765 | 4000000 |
|        121 | BRUD         | 7654 | 6500000 |
|        122 | BRUP         | 6543 | 2500000 |
|        123 | BRUP         | 5432 |  550000 |
+------------+--------------+------+---------+
23 rows in set (0.00 sec)
```

4. Menambah 10 data pada table nasabah_has_rekening

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
    -> (11, 123),
    -> (12, 122),
    -> (13, 121),
    -> (13, 120),
    -> (15, 119),
    -> (16, 118),
    -> (17, 117),
    -> (18, 116),
    -> (19, 115),
    -> (20, 114);
Query OK, 10 rows affected (0.14 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> select * from nasabah_has_rekening;
+--------------+---------------+
| id_nasabahFK | no_rekeningFK |
+--------------+---------------+
|            1 |           104 |
|            2 |           103 |
|            3 |           105 |
|            3 |           106 |
|            4 |           101 |
|            4 |           107 |
|            5 |           102 |
|            5 |           107 |
|            6 |           109 |
|            7 |           109 |
|            8 |           111 |
|            8 |           112 |
|            9 |           110 |
|           10 |           108 |
|           10 |           113 |
|           11 |           123 |
|           12 |           122 |
|           13 |           120 |
|           13 |           121 |
|           15 |           119 |
|           16 |           118 |
|           17 |           117 |
|           18 |           116 |
|           19 |           115 |
|           20 |           114 |
+--------------+---------------+
```

5. Menambah 20 data pada table transaksi

```
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
    -> (31, 122, 3, 'debit', 2009-12-9, 550000),
    -> (32, 121, 2, 'debit', 2009-12-9, 450000),
    -> (33, 120, 4, 'kredit', 2009-12-12, 25000),
    -> (34, 119, 3, 'debit', 2009-12-13, 50000),
    -> (35, 117, 5, 'kredit', 2009-12-13, 30000),
    -> (36, 118, 1, 'kredit', 2009-12-14, 200000),
    -> (37, 115, 9, 'kredit', 2009-12-15, 150000),
    -> (38, 116, 5, 'debit', 2009-12-15, 250000),
    -> (39, 112, 3, 'kredit', 2009-12-16, 50000),
    -> (40, 120, 4, 'debit', 2009-12-18, 100000),
    -> (41, 113, 2, 'debit', 2009-12-19, 100000),
    -> (42, 114, 1, 'debit', 2009-12-19, 500000),
    -> (43, 117, 4, 'kredit', 2009-12-20, 200000),
    -> (44, 118, 3, 'debit', 2009-12-21, 450000),
    -> (45, 116, 1, 'kredit', 2009-12-21, 100000),
    -> (46, 119, 4, 'kredit', 2009-12-22, 200000),
    -> (47, 110, 2, 'debit', 2009-12-24, 50000),
    -> (48, 102, 5, 'debit', 2009-12-25, 55000),
    -> (49, 108, 10, 'debit', 2009-12-26, 100000),
    -> (50, 106, 3, 'kredit', 2009-12-27, 550000);
Query OK, 20 rows affected, 20 warnings (0.16 sec)
Records: 20  Duplicates: 0  Warnings: 20
```

```
MariaDB [perbankan]> select * from transaksi;
```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2009-11-10	50000
2	2	103	debit	2009-11-10	40000
3	4	101	kredit	2009-11-12	20000
4	3	106	debit	2009-11-13	50000
5	5	107	kredit	2009-11-13	30000
6	1	104	kredit	2009-11-15	200000
7	9	110	kredit	2009-11-15	150000
8	5	102	debit	2009-11-16	20000
9	3	105	kredit	2009-11-18	50000
10	4	107	debit	2009-11-19	100000
11	2	103	debit	2009-11-19	100000
12	1	104	debit	2009-11-19	50000
13	4	107	kredit	2009-11-20	200000
14	3	105	debit	2009-11-21	40000
15	1	104	kredit	2009-11-22	100000
16	4	101	kredit	2009-11-22	20000
17	2	103	debit	2009-11-22	50000
18	5	102	debit	2009-11-25	50000
19	10	108	debit	2009-11-26	100000
20	3	106	kredit	2009-11-27	50000
21	2	103	kredit	2009-11-28	200000
22	3	105	kredit	2009-11-28	100000
23	5	102	debit	2009-11-30	20000
24	1	104	debit	2009-12-01	50000
25	2	103	debit	2009-12-02	40000
26	4	101	debit	2009-12-04	50000
27	2	103	kredit	2009-12-05	100000
28	5	102	kredit	2009-12-05	200000
29	7	109	debit	2009-12-05	100000
30	9	110	debit	2009-12-06	20000
31	3	122	debit	2009-12-09	550000
32	2	121	debit	2009-12-09	450000
33	4	120	kredit	2009-12-12	25000
34	3	119	debit	2009-12-13	50000
35	5	117	kredit	2009-12-13	30000
36	1	118	kredit	2009-12-14	200000
37	9	115	kredit	2009-12-15	150000
38	5	116	debit	2009-12-15	250000
39	3	112	kredit	2009-12-16	50000
40	4	120	debit	2009-12-18	100000
41	2	113	debit	2009-12-19	100000
42	1	114	debit	2009-12-19	500000
43	4	117	kredit	2009-12-20	200000
44	3	118	debit	2009-12-21	450000
45	1	116	kredit	2009-12-21	100000
46	4	119	kredit	2009-12-22	200000
47	2	110	debit	2009-12-24	50000
48	5	102	debit	2009-12-25	55000
49	10	108	debit	2009-12-26	100000
50	3	106	kredit	2009-12-27	550000

```
50 rows in set (0.00 sec)
```