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Kelas : D

Laporan Praktikum Modul 5

A. Kegiatan Praktikum

1. Tabel nasabah

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.18362.476]
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C:\Users\ASUS>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
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (1, 'Sutopo', 'Jl. Jendral Sudirman 12'),
-> (2, 'Maryati', 'Jl. MT. Haryono 31'),
-> (3, 'Suparman', 'Jl. Hasanudin 81'),
-> (4, 'Kartika Padmasari', 'Jl. Manggis 15'),
-> (5, 'Budi Eko Prayogo', 'Jl. Kantil 30'),
-> (6, 'Satria Eka Jaya', 'Jl. Slamet Riyadi 45'),
-> (7, 'Indri Hapsari', 'Jl. Sutoyo 5'),
-> (8, 'Sari Murti', 'Jl. Pangandaran 11'),
-> (9, 'Canka Lokananta', 'Jl. Tidar 86'),
-> (10, 'Budi Martono', 'Jl. Merak 22');
Query OK, 10 rows affected (0.309 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
+-----+-----+-----+
```

```
Command Prompt - mysql -u root -p
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

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, 'Maryati', 'Jl. MT. Haryono 31'),
-> (3, 'Suparman', 'Jl. Hasanudin 81'),
-> (4, 'Kartika Padmasari', 'Jl. Manggis 15'),
-> (5, 'Budi Eko Prayogo', 'Jl. Kantil 30'),
-> (6, 'Satria Eka Jaya', 'Jl. Slamet Riyadi 45'),
-> (7, 'Indri Hapsari', 'Jl. Sutoyo 5'),
-> (8, 'Sari Murti', 'Jl. Pangandaran 11'),
-> (9, 'Canka Lokananta', 'Jl. Tidar 86'),
-> (10, 'Budi Martono', 'Jl. Merak 22');
Query OK, 10 rows affected (0.309 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Martono | Jl. Merak 22 |
+-----+-----+-----+
10 rows in set (0.007 sec)

MariaDB [perbankan]> _
```

2. Tabel cabang_bank

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

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'),
-> ('BRUK', 'Bank Rut Unit Klaten', 'Jl. Suparman 23'),
-> ('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21'),
-> ('BRUN', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12');
Query OK, 6 rows affected (0.234 sec)
Records: 6 Duplicates: 0 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 |
| BRUN | Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

3. Tabel rekening

```
Command Prompt - mysql -u root -p
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 (0.175 sec)
Records: 13 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 | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
+-----+-----+-----+-----+
13 rows in set (0.001 sec)

MariaDB [perbankan]>
```

4. Tabel nasabah_has_rekening

```
Command Prompt - mysql -u root -p
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, 100),
-> (7, 109),
-> (8, 111),
-> (9, 110),
-> (10, 113),
-> (8, 112),
-> (10, 108);
Query OK, 15 rows affected (0.159 sec)
Records: 15 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 | 100 |
| 7 | 109 |
| 8 | 111 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
| 8 | 112 |
+-----+-----+
15 rows in set (0.001 sec)

MariaDB [perbankan]>
```

5. 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),
-> (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 (0.236 sec)
Records: 30 Duplicates: 0 Warnings: 0

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

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

-> (29, 109, 7, 'debit', '2009-12-5', 100000),
-> (30, 110, 9, 'debit', '2009-12-6', 20000);

Query OK, 30 rows affected (0.236 sec)
Records: 30 Duplicates: 0 Warnings: 0

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)

```
MariaDB [perbankan]>
```

6. Lakukan update untuk kasus berikut:

- Nasabah nama 'Indri Hapsari' pindah kealamat 'Jalan Slamet Riyadi No.34'
- cabang dengan kode 'BRUW' pindah ke alamat 'Jalan A. Yani No. 23'

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

MariaDB [perbankan]> UPDATE nasabah
  -> SET alamat_nasabah = 'Jl. Slamet Riyadi 34'
  -> WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.107 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> UPDATE cabang_bank
  -> SET alamat_cabang = 'Jl. A. Yani 23'
  -> WHERE kode_cabang = 'BRUW';
Query OK, 1 row affected (0.160 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Slamet Riyadi 34 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Martono | Jl. Merak 22 |
+-----+-----+-----+
10 rows in set (0.001 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. Tendea 63 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUN | Bank Rut Unit Wonogiri | Jl. A. Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

7. Lakukan penghapusan untuk kasus berikut:

- Nasabah dengan id '7' menutup rekeningnya
- Cabang dengan nama_cabang 'Bank Rut Unit Magelang' menutup kantornya

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

MariaDB [perbankan]> delete from nasabah where id_nasabah = 7;
Query OK, 1 row affected (0.154 sec)

MariaDB [perbankan]> delete from cabang_bank where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.060 sec)

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Martono | Jl. Merak 22 |
+-----+-----+-----+
9 rows in set (0.001 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 |
| BRUN | Bank Rut Unit Wonogiri | Jl. A. Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

B. Tugas

1. Tabel nasabah

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (11, 'Candra', 'Jl. Beo 1'),
-> (12, 'Jecky', 'Jl. Beo 2'),
-> (13, 'Nasir', 'Jl. Beo 3'),
-> (14, 'Anto', 'Jl. Beo 4'),
-> (15, 'Anton', 'Jl. Beo 5'),
-> (16, 'Ilham', 'Jl. Beo 6'),
-> (17, 'Ardi', 'Jl. Merak 1'),
-> (18, 'Miqdad', 'Jl. Merak 2'),
-> (19, 'Bram', 'Jl. Merak 3'),
-> (20, 'Angga', 'Jl. Merak 4');
Query OK, 10 rows affected (0.145 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Hartono | Jl. Merak 22 |
| 11 | Candra | Jl. Beo 1 |
| 12 | Jecky | Jl. Beo 2 |
| 13 | Nasir | Jl. Beo 3 |
| 14 | Anto | Jl. Beo 4 |
| 15 | Anton | Jl. Beo 5 |
| 16 | Ilham | Jl. Beo 6 |
| 17 | Ardi | Jl. Merak 1 |
| 18 | Miqdad | Jl. Merak 2 |
| 19 | Bram | Jl. Merak 3 |
| 20 | Angga | Jl. Merak 4 |
+-----+-----+-----+
19 rows in set (0.001 sec)

MariaDB [perbankan]>
```

2. Tabel cabang_bank

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BRUMS', 'Bank Rut Unit UMS', 'Jl. Elang Mas 1'),
-> ('BRUKR', 'Bank Rut Unit Karanganyar', 'Jl. Badak 34'),
-> ('BRUSR', 'Bank Rut Unit Sragen', 'Jl. Singa 13'),
-> ('BRUKD', 'Bank Rut Unit Kediri', 'Jl. Hasanudin 99'),
-> ('BRUSH', 'Bank Rut Unit Semarang', 'Jl. Menteng 15'),
-> ('BRUP', 'Bank Rut Unit Pati', 'Jl. Singa 87'),
-> ('BRUPW', 'Bank Rut Unit Purwodadi', 'Jl. Kucing 65'),
-> ('BRUJ', 'Bank Rut Unit Jepara', 'Jl. Keong Mas 43'),
-> ('BRUKN', 'Bank Rut Unit Kendal', 'Jl. Emprit 56'),
-> ('BRUMG', 'Bank Rut Unit Magetan', 'Jl. Kakaktua 23');
Query OK, 10 rows affected (0.041 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| BRUJ | Bank Rut Unit Jepara | Jl. Keong Mas 43 |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUKD | Bank Rut Unit Kediri | Jl. Hasanudin 99 |
| BRUKN | Bank Rut Unit Kendal | Jl. Emprit 56 |
| BRUKR | Bank Rut Unit Karanganyar | Jl. Badak 34 |
| BRUMG | Bank Rut Unit Magetan | Jl. Kakaktua 23 |
| BRUMS | Bank Rut Unit UMS | Jl. Elang Mas 1 |
| BRUP | Bank Rut Unit Pati | Jl. Singa 87 |
| BRUPW | Bank Rut Unit Purwodadi | Jl. Kucing 65 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUSH | Bank Rut Unit Semarang | Jl. Menteng 15 |
| BRUSR | Bank Rut Unit Sragen | Jl. Singa 13 |
| BRUW | Bank Rut Unit Wonogiri | Jl. A. Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
15 rows in set (0.001 sec)

MariaDB [perbankan]>
```

3. Tabel rekening

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES
-> (114, 'BRUMS', '2456', 124000),
-> (115, 'BRUPW', '8901', 235000),
-> (116, 'BRUKN', '1235', 54000),
-> (117, 'BRUKN', '0875', 90000),
-> (118, 'BRUS', '4680', 678000),
-> (119, 'BRUMG', '1345', 124000),
-> (120, 'BRUKR', '1267', 654000),
-> (121, 'BRUKD', '3478', 87000),
-> (122, 'BRUKD', '6453', 976000),
-> (123, 'BRUB', '7615', 144000);
Query OK, 10 rows affected (0.039 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 | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
| 114 | BRUMS | 2456 | 124000 |
| 115 | BRUPW | 8901 | 235000 |
| 116 | BRUKN | 1235 | 54000 |
| 117 | BRUKN | 0875 | 90000 |
| 118 | BRUS | 4680 | 678000 |
| 119 | BRUMG | 1345 | 124000 |
| 120 | BRUKR | 1267 | 654000 |
| 121 | BRUKD | 3478 | 87000 |
| 122 | BRUKD | 6453 | 976000 |
| 123 | BRUB | 7615 | 144000 |
+-----+-----+-----+-----+
23 rows in set (0.001 sec)
```

4. Tabel transaksi

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Query OK, 1 row affected (0.047 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (21, 102, 2, 'debit', '2020-01-02', 200000);
ERROR 1062 (23000): Duplicate entry '21' for key 'PRIMARY'
MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (31, 102, 2, 'debit', '2020-01-02', 200000);
ERROR 1062 (23000): Duplicate entry '31' for key 'PRIMARY'
MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (32, 102, 2, 'debit', '2020-01-02', 200000);
Query OK, 1 row affected (0.034 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (33, 103, 3, 'debit', '2020-01-03', 300000);
Query OK, 1 row affected (0.030 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (34, 104, 4, 'debit', '2020-01-04', 400000);
Query OK, 1 row affected (0.033 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (35, 105, 5, 'debit', '2020-01-05', 500000);
Query OK, 1 row affected (0.037 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (36, 106, 6, 'debit', '2020-01-06', 600000);
Query OK, 1 row affected (0.035 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (37, 107, 7, 'debit', '2020-01-07', 700000);
Query OK, 1 row affected (0.026 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (38, 108, 8, 'debit', '2020-01-08', 700000);
Query OK, 1 row affected, 1 warning (0.034 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (39, 109, 9, 'debit', '2020-01-09', 900000);
Query OK, 1 row affected (0.036 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (40, 110, 10, 'debit', '2020-01-10', 1000000);
Query OK, 1 row affected (0.031 sec)
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Query OK, 1 row affected (0.031 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (41, 11, 10, 'debit', '2020-01-10', 1000000);
Query OK, 1 row affected (0.041 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (42, 102, 12, 'kredit', '2020-01-12', 200000);
Query OK, 1 row affected (0.041 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (43, 103, 13, 'kredit', '2020-01-13', 300000);
Query OK, 1 row affected (0.039 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (44, 103, 14, 'kredit', '2020-01-14', 400000);
Query OK, 1 row affected (0.036 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (45, 105, 15, 'kredit', '2020-01-15', 500000);
Query OK, 1 row affected (0.031 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (46, 106, 16, 'kredit', '2020-01-16', 600000);
Query OK, 1 row affected (0.032 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (47, 107, 17, 'kredit', '2020-01-17', 700000);
Query OK, 1 row affected (0.037 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (48, 108, 18, 'kredit', '2020-01-18', 800000);
Query OK, 1 row affected (0.039 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (49, 109, 19, 'kredit', '2020-01-19', 900000);
Query OK, 1 row affected (0.037 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
values (50, 110, 20, 'kredit', '2020-01-20', 1000000);
Query OK, 1 row affected (0.031 sec)

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


C:\WINDOWS\system32\cmd.exe - mysql -u root -p

MariaDB [perbankan]> select * from transaksi;

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2009-11-10 00:00:00	50000
2	2	103	debit	2009-11-10 00:00:00	40000
3	4	101	kredit	2009-11-12 00:00:00	20000
4	3	106	debit	2009-11-13 00:00:00	50000
5	5	107	kredit	2009-11-13 00:00:00	30000
6	1	104	kredit	2009-11-15 00:00:00	200000
7	9	110	kredit	2009-11-15 00:00:00	150000
8	5	102	debit	2009-11-16 00:00:00	20000
9	3	105	kredit	2009-11-18 00:00:00	50000
10	4	107	debit	2009-11-19 00:00:00	100000
11	2	103	debit	2009-11-19 00:00:00	100000
12	1	104	debit	2009-11-19 00:00:00	50000
13	4	107	kredit	2009-11-20 00:00:00	200000
14	3	105	debit	2009-11-21 00:00:00	40000
15	1	104	kredit	2009-11-22 00:00:00	100000
16	4	101	kredit	2009-11-22 00:00:00	20000
17	2	103	debit	2009-11-22 00:00:00	50000
18	5	102	debit	2009-11-25 00:00:00	50000
19	10	108	debit	2009-11-26 00:00:00	100000
20	3	106	kredit	2009-11-27 00:00:00	50000
21	2	103	kredit	2009-11-28 00:00:00	200000
22	3	105	kredit	2009-11-28 00:00:00	100000
23	5	102	debit	2009-11-30 00:00:00	20000
24	1	104	debit	2009-12-01 00:00:00	50000
25	2	103	debit	2009-12-02 00:00:00	40000
26	4	101	debit	2009-12-04 00:00:00	50000
27	2	103	kredit	2009-12-05 00:00:00	100000
28	5	102	kredit	2009-12-05 00:00:00	200000
29	7	109	debit	2009-12-05 00:00:00	100000
30	9	110	debit	2009-12-06 00:00:00	20000
31	101	1	debit	2020-01-01 00:00:00	100000
32	102	2	debit	2020-01-02 00:00:00	200000
33	103	3	debit	2020-01-03 00:00:00	300000
34	104	4	debit	2020-01-04 00:00:00	400000
35	105	5	debit	2020-01-05 00:00:00	500000
36	106	6	debit	2020-01-06 00:00:00	600000
37	107	7	debit	2020-01-07 00:00:00	700000
38	108	8	debit	0000-00-00 00:00:00	700000
39	109	9	debit	2020-01-09 00:00:00	900000
40	110	10	debit	2020-01-10 00:00:00	1000000
41	11	10	debit	2020-01-10 00:00:00	1000000
42	102	12	kredit	2020-01-12 00:00:00	200000

C:\WINDOWS\system32\cmd.exe - mysql -u root -p

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	101	1	debit	2020-01-01 00:00:00	100000
32	102	2	debit	2020-01-02 00:00:00	200000
33	103	3	debit	2020-01-03 00:00:00	300000
34	104	4	debit	2020-01-04 00:00:00	400000
35	105	5	debit	2020-01-05 00:00:00	500000
36	106	6	debit	2020-01-06 00:00:00	600000
37	107	7	debit	2020-01-07 00:00:00	700000
38	108	8	debit	0000-00-00 00:00:00	700000
39	109	9	debit	2020-01-09 00:00:00	900000
40	110	10	debit	2020-01-10 00:00:00	1000000
41	11	10	debit	2020-01-10 00:00:00	1000000
42	102	12	kredit	2020-01-12 00:00:00	200000
43	103	13	kredit	2020-01-13 00:00:00	300000
44	103	14	kredit	2020-01-14 00:00:00	400000
45	105	15	kredit	2020-01-15 00:00:00	500000
46	106	16	kredit	2020-01-16 00:00:00	600000
47	107	17	kredit	2020-01-17 00:00:00	700000
48	108	18	kredit	2020-01-18 00:00:00	800000
49	109	19	kredit	2020-01-19 00:00:00	900000
50	110	20	kredit	2020-01-20 00:00:00	1000000