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LAPORAN LATIHAN PRAKTIKUM SBD MODUL 5

1. Membuat 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'),
-> (2,'Maryati','Jl. M.T. Haryono'),
-> (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.Pangadaran 11'),
-> (9,'Canka Lokananta','Jl. Tidar 86'),
-> (10,'Budi Murtono','Jl.Merak 22');
Query OK, 10 rows affected (0.008 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. M.T. Haryono |
| 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.Pangadaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl.Merak 22 |
+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [perbankan]>
```

2. Membuat Tabel cabang_bank

```
C:\> Select 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. Ahamd Yani 45'),
  -> ('BRUK', 'Bank Rut Unit Klaten', 'Jl. Suparman 23'),
  -> ('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21'),
  -> ('BURW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati');
Query OK, 6 rows affected (0.005 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. Ahamd 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    |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21         |
| BURW       | Bank Rut Unit Wonogiri | Jl. Untung Suropati     |
+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [perbankan]> 
```

3. Membuat Tabel rekening

```
Select 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 (0.005 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 (0.000 sec)

MariaDB [perbankan]>
```

4. Membuat 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),
-> (6,109),(7,109),(8,111),
-> (9,110),(10,113),(8,112),(10,108);
Query OK, 15 rows affected (0.004 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 | 109 |
| 7 | 109 |
| 8 | 111 |
| 8 | 112 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
+-----+-----+
15 rows in set (0.000 sec)

MariaDB [perbankan]>
```

5. Membuat table 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 (0.011 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 (0.000 sec)

```

6. Melakukan Update

- a. Nasabah dengan nama “Indri Hapsari” pindah alamat ke “Jl. Slamet Riyadi 34”

```
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 (0.011 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. M.T. Haryono |
| 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. Pangadaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+
10 rows in set (0.000 sec)
```

- b. Cabang dengan kode “BRUW” pindah ke alamat “Jl. Ahmad Yani 23”

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

MariaDB [perbankan]> update cabang_bank
  -> set alamat_cabang = 'Jl. Ahmad Yani 23'
  -> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.004 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 | Jl. Ahmad Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [perbankan]>
```

7. Penghapusan untuk kasus-kasus berikut.

- a. Nasabah dengan id “7” menutup rekeningnya.

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

MariaDB [perbankan]> delete from nasabah
  -> where id_nasabah = 7;
Query OK, 1 row affected (0.008 sec)

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. M.T. Haryono |
| 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. Pangadaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+
9 rows in set (0.005 sec)

MariaDB [perbankan]>
```

- b. Cabang dengan nama_cabang “ Bank Rut Unit Magelang” menutup kantornya

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

MariaDB [perbankan]> delete from cabang_bank
  -> where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.008 sec)

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. M.T. Haryono |
| 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. Pangadaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+
9 rows in set (0.000 sec)

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUB | Bank Rut Unit Boyolali | Jl. Ahamd 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. Ahmad Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [perbankan]>
```