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MODUL 5

LATIHAN

1. Tabel nasabah

```
mysql> 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 Murtono', 'Jl.Merak 22');
Query OK, 10 rows affected (0.06 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

```
mysql> 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 Murtono	Jl.Merak 22

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

2. Tabel cabang_bank

```
mysql> 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'), ('BRUW', 'Bank Rut Unit Wonogiri', 'Jl.Untung Suropati 12');
Query OK, 6 rows affected (0.07 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

```
mysql> 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 (0.00 sec)
```

3. Tabel rekening

```
mysql> 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 (0.09 sec)
Records: 13 Duplicates: 0 Warnings: 0

mysql> select * from rekening;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUS | 7777 | 1000000 |
| 108 | BRUB | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
+-----+-----+-----+-----+
13 rows in set (0.00 sec)
```

4. Tabel nasabah_has_rekening

```
mysql> 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 (0.07 sec)
Records: 15 Duplicates: 0 Warnings: 0

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

5. Tabel transaksi

```
mysql> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
-> (NULL, 105, 3, 'debit', DEFAULT, 50000), (NULL, 103, 2, 'debit', DEFAULT, 40000), (NULL, 101, 4, 'kredit', DEFAULT, 20000),
-> (NULL, 106, 3, 'debit', DEFAULT, 50000), (NULL, 107, 5, 'kredit', DEFAULT, 30000), (NULL, 104, 1, 'kredit', DEFAULT, 200000),
-> (NULL, 110, 9, 'kredit', DEFAULT, 150000), (NULL, 102, 5, 'debit', DEFAULT, 20000), (NULL, 105, 3, 'kredit', DEFAULT, 50000), (NULL, 107, 4, 'debit', DEFAULT, 100000),
-> (NULL, 103, 2, 'debit', DEFAULT, 100000), (NULL, 104, 1, 'debit', DEFAULT, 50000),
-> (NULL, 107, 4, 'kredit', DEFAULT, 200000), (NULL, 105, 3, 'debit', DEFAULT, 40000), (NULL, 104, 1, 'kredit', DEFAULT, 100000),
-> (NULL, 101, 4, 'kredit', DEFAULT, 20000), (NULL, 103, 2, 'debit', DEFAULT, 50000), (NULL, 102, 5, 'debit', DEFAULT, 50000),
-> (NULL, 108, 10, 'debit', DEFAULT, 100000), (NULL, 106, 3, 'kredit', DEFAULT, 50000), (NULL, 103, 2, 'kredit', DEFAULT, 200000),
-> (NULL, 105, 3, 'kredit', DEFAULT, 100000), (NULL, 102, 5, 'debit', DEFAULT, 20000), (NULL, 104, 1, 'debit', DEFAULT, 50000),
-> (NULL, 103, 2, 'debit', DEFAULT, 40000), (NULL, 101, 4, 'debit', DEFAULT, 50000), (NULL, 103, 2, 'kredit', DEFAULT, 100000),
-> (NULL, 102, 5, 'kredit', DEFAULT, 200000), (NULL, 109, 7, 'debit', DEFAULT, 100000), (NULL, 110, 9, 'debit', DEFAULT, 20000);
Query OK, 30 rows affected (0.08 sec)
Records: 30 Duplicates: 0 Warnings: 0
```

```
mysql> select * from transaksi;
```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2019-04-02 22:30:39	50000
2	2	103	debit	2019-04-02 22:30:39	40000
3	4	101	kredit	2019-04-02 22:30:39	20000
4	3	106	debit	2019-04-02 22:30:39	50000
5	5	107	kredit	2019-04-02 22:30:39	30000
6	1	104	kredit	2019-04-02 22:30:39	200000
7	9	110	kredit	2019-04-02 22:30:39	150000
8	5	102	debit	2019-04-02 22:30:39	20000
9	3	105	kredit	2019-04-02 22:30:39	50000
10	4	107	debit	2019-04-02 22:30:39	100000
11	2	103	debit	2019-04-02 22:30:39	100000
12	1	104	debit	2019-04-02 22:30:39	50000
13	4	107	kredit	2019-04-02 22:30:39	200000
14	3	105	debit	2019-04-02 22:30:39	40000
15	1	104	kredit	2019-04-02 22:30:39	100000
16	4	101	kredit	2019-04-02 22:30:39	20000
17	2	103	debit	2019-04-02 22:30:39	50000
18	5	102	debit	2019-04-02 22:30:39	50000
19	10	108	debit	2019-04-02 22:30:39	100000
20	3	106	kredit	2019-04-02 22:30:39	50000
21	2	103	kredit	2019-04-02 22:30:39	200000
22	3	105	kredit	2019-04-02 22:30:39	100000
23	5	102	debit	2019-04-02 22:30:39	20000
24	1	104	debit	2019-04-02 22:30:39	50000
25	2	103	debit	2019-04-02 22:30:39	40000
26	4	101	debit	2019-04-02 22:30:39	50000
27	2	103	kredit	2019-04-02 22:30:39	100000
28	5	102	kredit	2019-04-02 22:30:39	200000
29	7	109	debit	2019-04-02 22:30:39	100000
30	9	110	debit	2019-04-02 22:30:39	20000

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

6. Update

- Nasabah dengan nama “Indri Hapsari” pindah alamat ke “Jalan Slamet Riyadi No.34”

```
mysql> 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.Pengandaran 11
9	Canka Lokananta	Jl.Tidar 86
10	Budi Murtono	Jl.Merak 22

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

```
mysql> update nasabah set alamat_nasabah = 'Jalan Slamet Riyadi No.34'
-> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.11 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> 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 | Jalan Slamet Riyadi No.34 |
| 8 | Budi Murti | Jl.Pengandean 11 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Budi Murtono | Jl.Merak 22 |
+-----+-----+-----+
10 rows in set (0.00 sec)
```

- b. Cabang dengan kode “BRUW” pindah ke alamat “Jalan A.Yani No.23”

```
mysql> 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 (0.00 sec)

mysql>
mysql> update cabang_bank set alamat_cabang = 'Jalan A.Yani No.23'
-> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> 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 (0.00 sec)
```

7. Delete

- a. Nasabah dengan id “7” menutup rekeningnya

```
mysql> delete from nasabah
-> where id_nasabah = 7;
Query OK, 1 row affected (0.08 sec)

mysql> 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 Murtono	Jl.Merak 22

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

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

```
mysql> delete from cabang_bank
-> where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.12 sec)

mysql> 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 (0.00 sec)
```

