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## Praktikum SBD Modul 5

### Latihan

#### 1. Tabel Nasabah

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
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, 'Maryari', '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.Sitoyo 5'), (8, 'Sari Murti', 'Jl.Pangandaran 11'), (9, 'Canka Lokananta', 'Jl.Tidar 86'), (10, 'Budi Murtono', 'Jl.Merak 22');
Query OK, 10 rows affected (0.845 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 | Maryari | 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.Sitoyo 5 |
| 8 | Sari Murti | Jl.Pangandaran 11 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Budi Murtono | Jl.Merak 22 |
+-----+-----+-----+
10 rows in set (0.505 sec)

MariaDB [perbankan]>
```

#### 2. Tabel Cabang\_bank

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
ank Rut Unit Surakarta', 'Jl.Slamet Riyadi 18'), ('BRUM', 'Bank Rut Unit' at line 1
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values ('BRUS', 'Bank Rut Unit Surakarta', 'Jl.Slamet Riyadi 18'), ('BRUM', 'Bank R
ut 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 Un
it Yogyakarta', 'Jl.Anggrek 21'), ('BRUM', 'Bank Rut Unit Wonogiri', 'Jl.Untung Suropati 12');
Query OK, 6 rows affected (0.199 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 |
| BRUM | 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

```
C:\WINDOWS\system32\cmd.exe - 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', 200000), (106, 'BRUS', '6666', 3000000), (107, 'BRUS', '7777', 1000000), (108, 'BRUB', '0000', 500000), (109, 'BRUB', '9999', 0), (110, 'BRUY', '1234', 550000), (111, 'BRUK', '4321', 150000), (112, 'BRUK', '0123', 300000), (113, 'BRUY', '8888', 250000);
Query OK, 13 rows affected (0.158 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 | 200000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUS | 7777 | 1000000 |
| 108 | BRUB | 0000 | 500000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 250000 |
+-----+-----+-----+-----+
13 rows in set (0.001 sec)
```

#### 4. Tabel nasabah\_has\_rekening.

```
C:\WINDOWS\system32\cmd.exe - 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 (0.112 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 (0.024 sec)
```

#### 5. Tabel Transaksi

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
ERROR 1146 (42S02): Table 'perbankan.transaksi' doesn't exist
MariaDB [perbankan]> select * from transaksi;
```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2020-03-27 11:54:29	50000
2	2	103	debit	2020-03-27 11:54:29	40000
3	4	101	kredit	2020-03-27 11:54:29	20000
4	3	105	debit	2020-03-27 11:54:29	50000
5	2	103	debit	2020-03-27 11:54:29	40000
6	4	101	kredit	2020-03-27 11:54:29	20000
7	3	106	debit	2020-03-27 11:54:29	50000
8	5	107	kredit	2020-03-27 11:54:29	30000
9	1	104	kredit	2020-03-27 11:54:29	200000
10	9	110	kredit	2020-03-27 11:54:29	150000
11	5	102	debit	2020-03-27 11:54:29	20000
12	3	105	kredit	2020-03-27 11:54:29	50000
13	4	107	debit	2020-03-27 11:54:29	100000
14	2	103	debit	2020-03-27 11:54:29	100000
15	1	104	debit	2020-03-27 11:54:29	50000
16	4	107	kredit	2020-03-27 11:54:29	200000
17	3	105	debit	2020-03-27 11:54:29	40000
18	1	104	kredit	2020-03-27 11:54:29	100000
19	4	101	kredit	2020-03-27 11:54:29	20000
20	2	103	debit	2020-03-27 11:54:29	50000
21	5	102	debit	2020-03-27 11:54:29	50000
22	10	108	debit	2020-03-27 11:54:29	100000
23	3	106	kredit	2020-03-27 11:54:29	50000
24	2	103	kredit	2020-03-27 11:54:29	200000
25	3	105	kredit	2020-03-27 11:54:29	100000
26	5	102	debit	2020-03-27 11:54:29	20000
27	1	104	debit	2020-03-27 11:54:29	50000
28	2	103	debit	2020-03-27 11:54:29	40000
29	4	101	debit	2020-03-27 11:54:29	50000
30	2	103	kredit	2020-03-27 11:54:29	100000
31	5	102	kredit	2020-03-27 11:54:29	200000
32	7	109	debit	2020-03-27 11:54:29	100000
33	9	110	debit	2020-03-27 11:54:29	20000

```
33 rows in set (0.001 sec)

MariaDB [perbankan]>
```

#### 6. Update

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

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

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

```
10 rows in set (0.505 sec)
```

```

MariaDB [perbankan]> update nasabah set alamat_nasabah = 'Jl.Slamet Riyadi 34'
-> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.154 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 | Maryari | Jl.MT.Haryono 31 |
| 3 | Suparman | Jl.Hasanudin 81 |
| 4 | Kartika Padmasari | Jl.Manggils 15 |
| 5 | Budi Eko Prayoga | Jl.Kantil 30 |
| 6 | Indri Hapsari | Jl.Slamet Riyadi 34 |
| 7 | Sari Nurli | Jl.Pangandaran 11 |
| 8 | Canka Lokananta | Jl.Tidar 86 |
| 9 | Budi Murtono | Jl.Merak 22 |
+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [perbankan]>

```

- 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)
```

## Tugas

Memasukkan data nasabah.

```
MariaDB [perbankan]> SELECT FROM nasabah;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the man  
ual for the right syntax to use near 'FROM nasabah' 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. Hasanuddin 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
11	danu	sragen
12	aziss	sragen
13	banu	karanganyar
14	aji	karanganyar
15	iqbal	wonogiri
16	hanan	sragen
17	ilyas	wonogiri
18	ahluzain	lampung
19	amri	solo
20	riza	solo

```
19 rows in set (0.001 sec)
```



Memasukkan data rekening.

no_rekening	kode_cabang	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	250000
114	BRUS	2345	500000
115	BRUY	3456	500000
116	BRUS	4567	500000
117	BRUK	5678	500000
118	BRUK	6789	500000
119	BRUY	7890	500000
120	BRUK	8901	500000
121	BRUY	9012	500000
122	BRUS	0123	500000
123	BRUY	3210	500000

23 rows in set (0.001 sec)

Memasukkan data pada nasabah has rekening.

```
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	104
12	106
13	105
14	106
15	111
16	112
17	104
18	109
19	110
20	103

Memasukkan data ke tabel transaksi.

31	15	120	kredit	0000-00-00 00:00:00	450000
32	10	125	kredit	0000-00-00 00:00:00	60000
33	11	116	debit	0000-00-00 00:00:00	4000000
34	11	116	kredit	0000-00-00 00:00:00	257000
35	17	122	debit	0000-00-00 00:00:00	43000
36	12	117	debit	0000-00-00 00:00:00	73000
37	12	117	kredit	0000-00-00 00:00:00	125000
38	18	123	kredit	0000-00-00 00:00:00	900000
39	11	116	debit	0000-00-00 00:00:00	1100000
40	19	124	kredit	0000-00-00 00:00:00	700000
41	20	125	kredit	0000-00-00 00:00:00	27000
42	18	123	debit	0000-00-00 00:00:00	338000
43	12	117	debit	0000-00-00 00:00:00	44000
44	16	121	kredit	0000-00-00 00:00:00	200000
45	16	121	kredit	0000-00-00 00:00:00	400000
46	16	121	debit	0000-00-00 00:00:00	30000
47	14	119	kredit	0000-00-00 00:00:00	220000
48	11	116	kredit	0000-00-00 00:00:00	4450000
49	11	116	debit	0000-00-00 00:00:00	2000000
50	11	116	debit	0000-00-00 00:00:00	7000000