

NAMA : Ahmad Fikri Alqhozali

NIM : L200180166

MODUL 5

1. Masukkan data nasabah;

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

id_nasabah	nama_nasabah	alamat_nasabah
1	sutupo	JL. Jendral Sudirman 12
2	maryato	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 (0.001 sec)
```

2. Masukkan data cabang_bank;

```
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. Untung Suropati 12
BRUY	Bank Rut Unit Yogyakarta	JL. Anggrek 21

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

3. Masukan data rekening;

```
MariaDB [perbankan]> select * from rekeing;
ERROR 1146 (42S02): Table 'perbankan.rekeing' doesn't exist
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)
```

4. Masukan data 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
9	110
10	113
8	112
10	108

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

5. Masukkan data transaksi;

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

no_transaksi	id_nasabahFK	jenis_transaksi	tanggal	jumlah	no_rekeningFK
1	3	debit	2009-11-10 00:00:00	50000	105
2	2	debit	2009-11-10 00:00:00	40000	103
3	4	kredit	2009-11-12 00:00:00	20000	101
4	3	debit	2009-11-13 00:00:00	50000	106
5	5	kredit	2009-11-13 00:00:00	30000	107
6	1	kredit	2009-11-15 00:00:00	200000	104
7	9	kredit	2009-11-15 00:00:00	150000	110
8	5	debit	2009-11-16 00:00:00	20000	102
9	3	kredit	2009-11-18 00:00:00	50000	105
10	4	debit	2009-11-19 00:00:00	100000	107
11	2	debit	2009-11-19 00:00:00	100000	103
12	1	debit	2009-11-19 00:00:00	50000	104
13	4	kredit	2009-11-20 00:00:00	200000	107
14	3	debit	2009-11-21 00:00:00	40000	105
15	1	kredit	2009-11-22 00:00:00	100000	104
16	4	kredit	2009-11-22 00:00:00	20000	101
17	2	debit	2009-11-22 00:00:00	50000	103
18	5	debit	2009-11-22 00:00:00	50000	102
19	10	debit	2009-11-26 00:00:00	100000	108
20	3	kredit	2009-11-27 00:00:00	50000	106
21	2	kredit	2009-11-28 00:00:00	200000	103
22	3	kredit	2009-11-28 00:00:00	100000	105
23	5	debit	2009-11-30 00:00:00	20000	102
24	1	debit	2009-12-01 00:00:00	50000	104
25	2	debit	2009-12-02 00:00:00	40000	103
26	4	debit	2009-12-04 00:00:00	50000	101
27	2	kredit	2009-12-05 00:00:00	100000	103
28	5	kredit	2009-12-05 00:00:00	200000	102
29	7	debit	2009-12-05 00:00:00	100000	109
30	9	debit	2009-12-06 00:00:00	20000	110

30 rows in set (0.001 sec)

6. Melakukan update

a. Update alamat indri

```
MariaDB [perbankan]> update nasabah
-> set alamat_nasabah = 'Jl. Slamet Riyadi No.34'
-> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.045 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | sutupo | Jl. Jendral Sudirman 12 |
| 2 | maryato | 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 No.34 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. merak 22 |
+-----+-----+-----+
10 rows in set (0.001 sec)
```

b. Update alamat cabang BRUW

```
MariaDB [perbankan]> update cabang_bank
-> set alamat_cabang = 'Jl. A. Yani No.23'
-> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.126 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. A. Yani No.23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
```

7. Melakukan penghapusan

a. Hapus id nasabah '7'

```
MariaDB [perbankan]> delete from nasabah
-> where id_nasabah = 7;
Query OK, 1 row affected (0.059 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 Loknanata	JL. Tidar 86
10	Budi Murtono	JL. Merak 22

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

b. Hapus cabang bank 'Bank Rut Unit Magelang'

```
MariaDB [perbankan]> delete from cabang_bank
-> where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (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
BRUW	Bank Rut Unit Wonogiri	JL. A. Yani No.23
BRUY	Bank Rut Unit Yogyakarta	JL. Anggrek 21

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

TUGAS MODUL 4

1. Tambah data record nasabah

```
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
-> (11, 'Hasanudin', 'JL. Jendral Sutopo 12'),
-> (12, 'Maryam', 'JL. MH. Thamrin 31'),
-> (13, 'Superman', 'JL. Mawar 81'),
-> (14, 'Kartika Putri', 'JL. Melati 15'),
-> (15, 'Iqbal Jamet', 'JL. Jambu 30'),
-> (16, 'Satria Baja Hitam', 'JL. Riyadi 45'),
-> (17, 'Indra Gunawan', 'JL. Merbabu NO.34'),
-> (18, 'Sari rotii', 'JL. Merauke raya 11'),
-> (19, 'Stpehen', 'JL.Magelang 86'),
-> (20, 'Budi Tabudi ', 'JL. Chorcoal 22');
Query OK, 10 rows affected (0.057 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 Loknanata	JL. Tidar 86
10	Budi Murtono	JL. Merak 22
11	Hasanudin	JL. Jendral Sutopo 12
12	Maryam	JL. MH. Thamrin 31
13	Superman	JL. Mawar 81
14	Kartika Putri	JL. Melati 15
15	Iqbal Jamet	JL. Jambu 30
16	Satria Baja Hitam	JL. Riyadi 45
17	Indra Gunawan	JL. Merbabu NO.34
18	Sari rotii	JL. Merauke raya 11
19	Stpehen	JL.Magelang 86
20	Budi Tabudi	JL. Chorcoal 22

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

2. Tambah data record cabang bank

```
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values
-> ('BRUJ', 'Bank Rut Unit Jakarta', 'jl. MH. Thamrin 18'),
-> ('BRUP', 'Bank Rut Unit Papua', 'jl. Cendrawasih 20'),
-> ('BRUL', 'Bank Rut Unit Lampung', 'jl. Sitinjau lauik 11'),
-> ('BRUA', 'Bank Rut Unit Aceh', 'jl. Nanggroe 44'),
-> ('BRUBKS', 'Bank Rut Unit Bekasi', 'jl. Wisma asri 88'),
-> ('BRUD', 'Bank Rut Unit Depok', 'jl. Kutilang raya 99'),
-> ('BRUG', 'Bank Rut Unit Gorontalo', 'jl.poso 90'),
-> ('BRUT', 'Bank Rut Unit Tangerang', 'jl. Banten Timur 65'),
-> ('BRUC', 'Bank Rut Unit Cilegon', 'jl. Anyer 31');
```

Query OK, 9 rows affected (0.061 sec)

Records: 9 Duplicates: 0 Warnings: 0

```
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values
-> ('BRUCK', 'Bank Rut Unit Cikampek', 'jl. Anyer 31');
```

Query OK, 1 row affected (0.051 sec)

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

kode_cabang	nama_cabang	alamat_cabang
BRUA	Bank Rut Unit Aceh	jl. Nanggroe 44
BRUB	Bank Rut Unit Boyolali	JL. Ahmad Yani 45
BRUBKS	Bank Rut Unit Bekasi	jl. Wisma asri 88
BRUC	Bank Rut Unit Cilegon	jl. Anyer 31
BRUCK	Bank Rut Unit Cikampek	jl. Anyer 31
BRUD	Bank Rut Unit Depok	jl. Kutilang raya 99
BRUG	Bank Rut Unit Gorontalo	jl.poso 90
BRUJ	Bank Rut Unit Jakarta	jl. MH. Thamrin 18
BRUK	Bank Rut Unit Klaten	JL. Suparman 23
BRUL	Bank Rut Unit Lampung	jl. Sitinjau lauik 11
BRUP	Bank Rut Unit Papua	jl. Cendrawasih 20
BRUS	Bank Rut Unit Surakarta	jl. Slamet Riyadi 18
BRUT	Bank Rut Unit Tangerang	jl. Banten Timur 65
BRUW	Bank Rut Unit Wonogiri	JL. A. Yani No.23
BRUY	Bank Rut Unit Yogyakarta	JL. Anggrek 21

15 rows in set (0.036 sec)

3. Tambah data record rekening

```
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
-> (114, 'BRUCK', '8008', 95000),
-> (115, 'BRUA', '1238', 35000),
-> (116, 'BRUBKS', '0231', 120000),
-> (117, 'BRUC', '0211', 60000),
-> (118, 'BRUD', '8907', 95000),
-> (119, 'BRUG', '3425', 45000),
-> (120, 'BRUL', '4252', 35000),
-> (121, 'BRUY', '4636', 55000),
-> (122, 'BRUT', '5465', 55000),
-> (123, 'BRUJ', '1239', 23000);
```

Query OK, 10 rows affected (0.100 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	BRUCK	8008	95000
115	BRUA	1238	35000
116	BRUBKS	0231	120000
117	BRUC	0211	60000
118	BRUD	8907	95000
119	BRUG	3425	45000
120	BRUL	4252	35000
121	BRUY	4636	55000
122	BRUT	5465	55000
123	BRUJ	1239	23000

23 rows in set (0.001 sec)

4. Tambah data record nasabah_has_rekening

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
-> (11, 123),
-> (12, 121),
-> (13, 122),
-> (14, 120),
-> (15, 118),
-> (16, 119),
-> (17, 115),
-> (18, 117),
-> (19, 116),
-> (20, 114);
```

```
Query OK, 10 rows affected (0.061 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
9	110
10	113
8	112
10	108
11	123
12	121
13	122
14	120
15	118
16	119
17	115
18	117
19	116
20	114

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

5. Tambah data record transaksi

```
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
-> (31, 123, 3, 'debit', '2010-11-10', 50000),
-> (32, 114, 2, 'debit', '2010-11-11', 40000),
-> (33, 115, 4, 'kredit', '2009-11-12', 20000),
-> (34, 120, 3, 'debit', '2009-11-13', 50000),
-> (35, 116, 5, 'kredit', '2009-11-13', 30000),
-> (36, 123, 1, 'kredit', '2009-11-14', 200000),
-> (37, 117, 9, 'kredit', '2009-11-15', 150000),
-> (38, 118, 5, 'debit', '2009-11-16', 20000),
-> (39, 113, 3, 'kredit', '2009-11-17', 50000),
-> (40, 121, 4, 'debit', '2009-11-18', 100000),
-> (41, 122, 3, 'debit', '2009-11-10', 50000),
-> (42, 121, 2, 'debit', '2009-11-19', 40000),
-> (43, 110, 4, 'kredit', '2009-11-20', 20000),
-> (44, 119, 3, 'debit', '2009-11-22', 50000),
-> (45, 111, 5, 'kredit', '2009-11-23', 30000),
-> (46, 102, 1, 'kredit', '2009-11-24', 200000),
-> (47, 109, 9, 'kredit', '2009-11-25', 150000),
-> (48, 104, 5, 'debit', '2009-11-26', 20000),
-> (49, 104, 3, 'kredit', '2009-11-28', 50000),
-> (50, 105, 4, 'debit', '2009-11-29', 100000);
Query OK, 20 rows affected (0.088 sec)
Records: 20 Duplicates: 0 Warnings: 0
```

MariaDB [perbankan]> select * from transaksi;

no_transaksi	id_nasabahFK	jenis_transaksi	tanggal	jumlah	no_rekeningFK
1	3	debit	2009-11-10 00:00:00	50000	105
2	2	debit	2009-11-10 00:00:00	40000	103
3	4	kredit	2009-11-12 00:00:00	20000	101
4	3	debit	2009-11-13 00:00:00	50000	106
5	5	kredit	2009-11-13 00:00:00	30000	107
6	1	kredit	2009-11-15 00:00:00	200000	104
7	9	kredit	2009-11-15 00:00:00	150000	110
8	5	debit	2009-11-16 00:00:00	20000	102
9	3	kredit	2009-11-18 00:00:00	50000	105
10	4	debit	2009-11-19 00:00:00	100000	107
11	2	debit	2009-11-19 00:00:00	100000	103
12	1	debit	2009-11-19 00:00:00	50000	104
13	4	kredit	2009-11-20 00:00:00	200000	107
14	3	debit	2009-11-21 00:00:00	40000	105
15	1	kredit	2009-11-22 00:00:00	100000	104
16	4	kredit	2009-11-22 00:00:00	20000	101
17	2	debit	2009-11-22 00:00:00	50000	103
18	5	debit	2009-11-22 00:00:00	50000	102
19	10	debit	2009-11-26 00:00:00	100000	108
20	3	kredit	2009-11-27 00:00:00	50000	106
21	2	kredit	2009-11-28 00:00:00	200000	103
22	3	kredit	2009-11-28 00:00:00	100000	105
23	5	debit	2009-11-30 00:00:00	20000	102
24	1	debit	2009-12-01 00:00:00	50000	104
25	2	debit	2009-12-02 00:00:00	40000	103
26	4	debit	2009-12-04 00:00:00	50000	101
27	2	kredit	2009-12-05 00:00:00	100000	103
28	5	kredit	2009-12-05 00:00:00	200000	102
29	7	debit	2009-12-05 00:00:00	100000	109
30	9	debit	2009-12-06 00:00:00	20000	110
31	3	debit	2010-11-10 00:00:00	50000	123
32	2	debit	2010-11-11 00:00:00	40000	114
33	4	kredit	2009-11-12 00:00:00	20000	115
34	3	debit	2009-11-13 00:00:00	50000	120
35	5	kredit	2009-11-13 00:00:00	30000	116
36	1	kredit	2009-11-14 00:00:00	200000	123
37	9	kredit	2009-11-15 00:00:00	150000	117
38	5	debit	2009-11-16 00:00:00	20000	118
39	3	kredit	2009-11-17 00:00:00	50000	113
40	4	debit	2009-11-18 00:00:00	100000	121
41	3	debit	2009-11-10 00:00:00	50000	122
42	2	debit	2009-11-19 00:00:00	40000	121
43	4	kredit	2009-11-20 00:00:00	20000	110
44	3	debit	2009-11-22 00:00:00	50000	119
45	5	kredit	2009-11-23 00:00:00	30000	111
46	1	kredit	2009-11-24 00:00:00	200000	102
47	9	kredit	2009-11-25 00:00:00	150000	109
48	5	debit	2009-11-26 00:00:00	20000	104
49	3	kredit	2009-11-28 00:00:00	50000	104
50	4	debit	2009-11-29 00:00:00	100000	105

50 rows in set (0.001 sec)