

Nama : Irfananda Irsyad A  
NIM : L200180096  
Kelas : D

# Praktikum Basis Data Modul 5

## Latihan

### Nasabah

```
C:\Windows\System32\cmd.exe - mysql -u root -p

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| perbankan |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.001 sec)

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.Hsanusin 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.Stoyo 5')
-> , (8, 'Sari Nurti', 'Jl.Pangandaran 11'), (9, 'Canka Lokananta', 'Jl. Tidar 86'), (10, 'Budi Martono', 'Jl.Merak 22');
Query OK, 10 rows affected (0.062 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.Hsanusin 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.Stoyo 5 |
| 8 | Sari Nurti | Jl.Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Martono | Jl.Merak 22 |
+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [perbankan]>
```

### Cabang Bank

```
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'), ('BRUM', 'Bank Rut Unit Wonogiri', 'Jl.Untung Sutropati 12');
ERROR 1062 (23000): Duplicate entry 'BRUS' for key 'PRIMARY'
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 Sutropati 12 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.015 sec)
```

## Rekening

```
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);
ERROR 1062 (23000): Duplicate entry '101' for key 'PRIMARY'
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	BRUS	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]>
```

## Nasabah has Rekening

```
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);
ERROR 1062 (23000): Duplicate entry '1-104' for key 'PRIMARY'
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	111
8	112
9	110
10	108
10	113

```
14 rows in set (0.000 sec)

MariaDB [perbankan]> _
```

## Transaksi

```

MariaDB [perbankan]> 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, 101, 1, 'kredit', DEFAULT, 20000),
-> (NULL, 110, 9, 'kredit', DEFAULT, 150000), (NULL, 102, 5, 'debit', DEFAULT, 20000), (NULL, 105, 3, 'kredit', DEFAULT, 50000), (NULL, 107, 4, 'debit', DEFAULT, 100
000), (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 (1.243 sec)
Records: 30 Duplicates: 0 Warnings: 0

```

```

MariaDB [perbankan]> select * from transaksi;

```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
32	3	105	debit	2009-11-10 00:00:00	50000
33	2	103	debit	2009-11-10 00:00:00	40000
34	4	101	kredit	2009-11-12 00:00:00	20000
35	3	106	debit	2009-11-13 00:00:00	50000
36	5	107	kredit	2009-11-13 00:00:00	30000
37	1	104	kredit	2009-11-15 00:00:00	200000
38	9	110	kredit	2009-11-15 00:00:00	150000
39	5	102	debit	2009-11-16 00:00:00	20000
40	3	105	kredit	2009-11-18 00:00:00	50000
41	4	107	debit	2009-11-19 00:00:00	100000
42	2	103	debit	2009-11-19 00:00:00	100000
43	1	104	debit	2009-11-19 00:00:00	50000
44	4	107	kredit	2009-11-20 00:00:00	200000
45	3	105	debit	2009-11-21 00:00:00	40000
46	1	104	kredit	2009-11-22 00:00:00	100000
47	4	101	kredit	2009-11-22 00:00:00	20000
48	2	103	debit	2009-11-22 00:00:00	50000
49	5	102	debit	2009-11-25 00:00:00	50000
50	10	108	debit	2009-11-26 00:00:00	100000
51	3	106	kredit	2009-11-27 00:00:00	50000
52	2	103	kredit	2009-11-28 00:00:00	200000
53	3	105	kredit	2009-11-28 00:00:00	100000
54	5	102	debit	2009-11-30 00:00:00	20000
55	1	104	debit	2009-12-01 00:00:00	50000
56	2	103	debit	2009-12-02 00:00:00	40000
57	4	101	debit	2009-12-04 00:00:00	50000
58	2	103	kredit	2009-12-05 00:00:00	100000
59	5	102	kredit	2009-12-05 00:00:00	200000
60	7	109	debit	2009-12-05 00:00:00	100000
61	9	110	debit	2009-12-06 00:00:00	20000
62	19	110	kredit	2017-05-24 00:00:00	50000
68	10	111	kredit	2017-05-24 00:00:00	250000
69	6	106	debit	2017-05-24 00:00:00	125000
70	7	103	kredit	2017-05-24 00:00:00	130000
72	8	101	kredit	2017-05-24 00:00:00	357000
73	2	110	debit	2017-05-24 00:00:00	547000
76	5	110	debit	2017-05-24 00:00:00	26000
77	19	110	kredit	2017-05-24 00:00:00	50000
78	19	110	kredit	2017-05-24 00:00:00	50000
79	12	101	debit	2017-05-26 00:00:00	9700000
80	12	101	debit	2017-05-26 00:00:00	8500000
81	1	111	kredit	2017-05-26 00:00:00	520000
85	13	109	debit	2017-05-26 00:00:00	700000
86	19	110	kredit	2017-05-30 00:00:00	50000
87	19	110	kredit	2017-06-06 00:00:00	50000
88	19	110	kredit	2017-06-06 00:00:00	50000
89	13	109	debit	2017-06-08 00:00:00	700000
90	13	109	debit	2017-06-08 00:00:00	700000
91	13	109	debit	2017-06-08 00:00:00	700000
92	5	103	debit	2017-06-14 00:00:00	263000
93	3	105	debit	2020-03-24 12:34:20	50000
94	2	103	debit	2020-03-24 12:34:20	40000
95	4	101	kredit	2020-03-24 12:34:20	20000
96	3	106	debit	2020-03-24 12:34:20	50000
97	5	107	kredit	2020-03-24 12:34:20	30000
98	1	101	kredit	2020-03-24 12:34:20	20000
99	9	110	kredit	2020-03-24 12:34:20	150000
100	5	102	debit	2020-03-24 12:34:20	20000
101	3	105	kredit	2020-03-24 12:34:20	50000
102	4	107	debit	2020-03-24 12:34:20	100000
103	2	103	debit	2020-03-24 12:34:20	100000
104	1	104	debit	2020-03-24 12:34:20	50000
105	4	107	kredit	2020-03-24 12:34:20	200000
106	3	105	debit	2020-03-24 12:34:20	40000
107	1	104	kredit	2020-03-24 12:34:20	100000
108	4	101	kredit	2020-03-24 12:34:20	20000
109	2	103	debit	2020-03-24 12:34:20	50000
110	5	102	debit	2020-03-24 12:34:20	50000
111	10	108	debit	2020-03-24 12:34:20	100000
112	3	106	kredit	2020-03-24 12:34:20	50000
113	2	103	kredit	2020-03-24 12:34:20	200000
114	3	105	kredit	2020-03-24 12:34:20	100000
115	5	102	debit	2020-03-24 12:34:20	20000
116	1	104	debit	2020-03-24 12:34:20	50000
117	2	103	debit	2020-03-24 12:34:20	40000
118	4	101	debit	2020-03-24 12:34:20	50000
119	2	103	kredit	2020-03-24 12:34:20	100000
120	5	102	kredit	2020-03-24 12:34:20	200000
121	7	109	debit	2020-03-24 12:34:20	100000
122	9	110	debit	2020-03-24 12:34:20	20000

```

80 rows in set (0.405 sec)

```

## Update

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

```
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.Hsanusin 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.Stoyo 5
8	Sari Nurti	Jl.Pangandaran 11
9	Canka Lokananta	Jl. Tidar 86
10	Budi Martono	Jl.Merak 22

```
10 rows in set (0.093 sec)
```

```
MariaDB [perbankan]> update nasabah set alamat_nasabah = 'Jl. Slamet Riyadi 34'
-> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.580 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.Hsanusin 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 Nurti	Jl.Pangandaran 11
9	Canka Lokananta	Jl. Tidar 86
10	Budi Martono	Jl.Merak 22

```
10 rows in set (0.000 sec)
```

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

```
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 Sutropati 12
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

```
6 rows in set (0.262 sec)
```

```
MariaDB [perbankan]> update cabang_bank set alamat_cabang = 'Jl.A. Yani 23'
-> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.242 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 23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

```
6 rows in set (0.000 sec)
```

## Penghapusan

- a. Nasabah dengan id “7” menutup rekening

```
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.Hsanusin 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 Nurti	Jl.Pangandaran 11
9	Canka Lokananta	Jl. Tidar 86
10	Budi Martono	Jl.Merak 22

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

```
MariaDB [perbankan]> delete from nasabah
-> where id_nasabah = 7;
Query OK, 1 row affected (0.107 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.Hsanusin 81
4	Kartika Padmasari	Jl.Manggis 15
5	Budi Eko Prayogo	Jl.Kantil 30
6	Satria Eka Jaya	Jl.Slamet Riyadi 45
8	Sari Nurti	Jl.Pangandaran 11
9	Canka Lokananta	Jl. Tidar 86
10	Budi Martono	Jl.Merak 22

```
9 rows in set (0.000 sec)
```

- b. Cabang dengan nama\_cabang “Bank Rut Unit Magelang” menutup kantornya

```
MariaDB [perbankan]> delete from cabang_bank
-> where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.176 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 23
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

```
5 rows in set (0.000 sec)
```

```
MariaDB [perbankan]>
```

# Tugas

## Tabel Nasabah

```
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
-> (11, 'IrFananda', 'Jl. A 69'),
-> (12, 'Irsyad', 'Jl. B 69'),
-> (13, 'Ainun', 'Jl. C 69'),
-> (14, 'Nauval', 'Jl. D 69'),
-> (15, 'Nopal', 'Jl. E 69'),
-> (16, 'Nopal Ganteng', 'Jl. F 96'),
-> (17, 'Paryo', 'Jl. G 96'),
-> (18, 'Maman', 'Jl. H 96'),
-> (19, 'Moden', 'Jl. I 96'),
-> (20, 'Agos', 'Jl. J 96');
Query OK, 10 rows affected (0.799 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.Hsanusin 81 |
| 4 | Kartika Padmasari | Jl.Manggis 15 |
| 5 | Budi Eko Prayogo | Jl.Kantil 30 |
| 6 | Satria Eka Jaya | Jl.Slamet Riyadi 45 |
| 8 | Sari Nurti | Jl.Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Martono | Jl.Merak 22 |
| 11 | IrFananda | Jl. A 69 |
| 12 | Irsyad | Jl. B 69 |
| 13 | Ainun | Jl. C 69 |
| 14 | Nauval | Jl. D 69 |
| 15 | Nopal | Jl. E 69 |
| 16 | Nopal Ganteng | Jl. F 96 |
| 17 | Paryo | Jl. G 96 |
| 18 | Maman | Jl. H 96 |
| 19 | Moden | Jl. I 96 |
| 20 | Agos | Jl. J 96 |
+-----+-----+-----+
19 rows in set (0.584 sec)
```

## Tabel Cabang\_bank

```
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values
-> ('BRUP', 'Bank Rut Unit Purwokerto', 'Jl. Sendiri 1' ),
-> ('BRUT', 'Bank Rut Unit Tegal', 'Jl. Ahhhh 12' ),
-> ('BRUG', 'Bank Rut Unit Gombang', 'Jl. Asek 32' ),
-> ('BRUA', 'Bank Rut Unit Angkasa', 'Jl. Pluto 32' ),
-> ('BRUC', 'Bank Rut Unit Curug', 'Jl. Uhhhh 42' ),
-> ('BRUX', 'Bank Rut Unit Xixixi', 'Jl. wkwkwk 62' ),
-> ('BRUZ', 'Bank Rut Unit Zimbabwe', 'Jl. xxxxxxx 72' ),
-> ('BRUQ', 'Bank Rut Unit Qiqiqi', 'Jl. Crot 92' ),
-> ('BRUI', 'Bank Rut Unit Indonesia', 'Jl. in aja dulu 02' ),
-> ('BRUR', 'Bank Rut Unit RajaAmpat', 'Jl. Jalan 01' );
Query OK, 10 rows affected (0.433 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUA | Bank Rut Unit Angkasa | Jl. Pluto 32 |
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad yani 45 |
| BRUC | Bank Rut Unit Curug | Jl. Uhhhh 42 |
| BRUG | Bank Rut Unit Gombang | Jl. Asek 32 |
| BRUI | Bank Rut Unit Indonesia | Jl. in aja dulu 02 |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUP | Bank Rut Unit Purwokerto | Jl. Sendiri 1 |
| BRUQ | Bank Rut Unit Qiqiqi | Jl. Crot 92 |
| BRUR | Bank Rut Unit RajaAmpat | Jl. Jalan 01 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUT | Bank Rut Unit Tegal | Jl. Ahhhh 12 |
| BRUM | Bank Rut Unit Wonogiri | Jl.A. Yani 23 |
| BRUX | Bank Rut Unit Xixixi | Jl. wkwkwk 62 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
| BRUZ | Bank Rut Unit Zimbabwe | Jl. xxxxxxx 72 |
+-----+-----+-----+
15 rows in set (0.155 sec)
```

## Tabel Rekening

```
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
-> (114, 'BRUZ', '1919', 200000),
-> (115, 'BRUX', '1819', 500000),
-> (116, 'BRUR', '1719', 100000),
-> (117, 'BRUQ', '1619', 300000),
-> (118, 'BRUP', '1519', 900000),
-> (119, 'BRUT', '1419', 800000),
-> (120, 'BRUA', '1319', 700000),
-> (121, 'BRUC', '1219', 600000),
-> (122, 'BRUG', '1119', 400000),
-> (123, 'BRUI', '1019', 100000);
Query OK, 10 rows affected (0.466 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	BRUH	4444	900000
105	BRUH	5555	200000
106	BRUS	6666	300000
107	BRUS	7777	100000
108	BRUB	0000	500000
109	BRUS	9999	0
110	BRUY	1234	550000
111	BRUK	4321	150000
112	BRUK	0123	300000
113	BRUY	8888	255000
114	BRUZ	1919	200000
115	BRUX	1819	500000
116	BRUR	1719	100000
117	BRUQ	1619	300000
118	BRUP	1519	900000
119	BRUT	1419	800000
120	BRUA	1319	700000
121	BRUC	1219	600000
122	BRUG	1119	400000
123	BRUI	1019	100000

23 rows in set (0.028 sec)

## Tabel nasabah\_has\_rekening

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
-> (11, 104), (12, 103),
-> (12, 105), (13, 106),
-> (14, 101), (14, 107),
-> (15, 102), (15, 107),
-> (16, 109), (17, 109);
Query OK, 10 rows affected (0.203 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	111
8	112
9	110
10	108
10	113
11	104
12	103
12	105
13	106
14	101
14	107
15	102
15	107
16	109
17	109

24 rows in set (0.000 sec)

Tabel Transaksi



```
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
```

```
-> (NULL, 105, 11, 'debit', DEFAULT, 40000),
-> (NULL, 104, 11, 'kredit', DEFAULT, 100000),
-> (NULL, 101, 14, 'kredit', DEFAULT, 20000),
-> (NULL, 103, 12, 'debit', DEFAULT, 50000),
-> (NULL, 102, 15, 'debit', DEFAULT, 50000),
-> (NULL, 108, 20, 'debit', DEFAULT, 100000),
-> (NULL, 106, 23, 'kredit', DEFAULT, 50000),
-> (NULL, 103, 12, 'kredit', DEFAULT, 200000),
-> (NULL, 105, 13, 'kredit', DEFAULT, 100000),
-> (NULL, 102, 15, 'debit', DEFAULT, 20000),
-> (NULL, 104, 11, 'debit', DEFAULT, 50000),
-> (NULL, 103, 12, 'debit', DEFAULT, 40000),
-> (NULL, 101, 14, 'kredit', DEFAULT, 50000),
-> (NULL, 103, 12, 'kredit', DEFAULT, 100000),
-> (NULL, 102, 15, 'kredit', DEFAULT, 200000),
-> (NULL, 104, 11, 'debit', DEFAULT, 50000),
-> (NULL, 103, 12, 'debit', DEFAULT, 40000),
-> (NULL, 101, 14, 'debit', DEFAULT, 50000),
-> (NULL, 109, 17, 'debit', DEFAULT, 100000),
-> (NULL, 110, 19, 'debit', DEFAULT, 20000);
```

```
Query OK, 20 rows affected (0.580 sec)
```

```
Records: 20 Duplicates: 0 Warnings: 0
```

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

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
32	3	105	debit	2009-11-10 00:00:00	50000
33	2	103	debit	2009-11-10 00:00:00	40000
34	4	101	kredit	2009-11-12 00:00:00	20000
35	3	106	debit	2009-11-13 00:00:00	50000
36	5	107	kredit	2009-11-13 00:00:00	30000
37	1	104	kredit	2009-11-15 00:00:00	200000
38	9	110	kredit	2009-11-15 00:00:00	150000
39	5	102	debit	2009-11-16 00:00:00	20000
40	3	105	kredit	2009-11-18 00:00:00	50000
41	4	107	debit	2009-11-19 00:00:00	100000
42	2	103	debit	2009-11-19 00:00:00	100000
43	1	104	debit	2009-11-19 00:00:00	50000
44	4	107	kredit	2009-11-20 00:00:00	200000
45	3	105	debit	2009-11-21 00:00:00	40000
46	1	104	kredit	2009-11-22 00:00:00	100000
46	1	104	kredit	2009-11-22 00:00:00	100000
47	4	101	kredit	2009-11-22 00:00:00	20000
48	2	103	debit	2009-11-22 00:00:00	50000
49	5	102	debit	2009-11-25 00:00:00	50000
50	10	108	debit	2009-11-26 00:00:00	100000
51	3	106	kredit	2009-11-27 00:00:00	50000
52	2	103	kredit	2009-11-28 00:00:00	200000
53	3	105	kredit	2009-11-28 00:00:00	100000
54	5	102	debit	2009-11-30 00:00:00	20000
55	1	104	debit	2009-12-01 00:00:00	50000
56	2	103	debit	2009-12-02 00:00:00	40000
57	4	101	debit	2009-12-04 00:00:00	50000
58	2	103	kredit	2009-12-05 00:00:00	100000
59	5	102	kredit	2009-12-05 00:00:00	200000
60	7	109	debit	2009-12-05 00:00:00	100000
61	9	110	debit	2009-12-06 00:00:00	20000
62	19	110	kredit	2017-05-24 00:00:00	50000
68	10	111	kredit	2017-05-24 00:00:00	250000
69	6	106	debit	2017-05-24 00:00:00	125000
70	7	103	kredit	2017-05-24 00:00:00	130000
72	8	101	kredit	2017-05-24 00:00:00	357000
73	2	110	debit	2017-05-24 00:00:00	547000
76	5	110	debit	2017-05-24 00:00:00	26000
77	10	110	kredit	2017-05-24 00:00:00	50000
78	19	110	kredit	2017-05-24 00:00:00	50000
79	12	101	debit	2017-05-26 00:00:00	9700000
80	12	101	debit	2017-05-26 00:00:00	8500000
81	1	111	kredit	2017-05-26 00:00:00	520000
85	13	109	debit	2017-05-26 00:00:00	700000
86	19	110	kredit	2017-05-30 00:00:00	50000
87	19	110	kredit	2017-06-06 00:00:00	50000
88	19	110	kredit	2017-06-06 00:00:00	50000
89	13	109	debit	2017-06-08 00:00:00	700000
90	13	109	debit	2017-06-08 00:00:00	700000
91	13	109	debit	2017-06-08 00:00:00	700000
92	5	103	debit	2017-06-14 00:00:00	263000
93	3	105	debit	2020-03-24 12:34:20	50000
94	2	103	debit	2020-03-24 12:34:20	40000
95	4	101	kredit	2020-03-24 12:34:20	20000
96	3	106	debit	2020-03-24 12:34:20	50000
97	5	107	kredit	2020-03-24 12:34:20	30000
98	1	101	kredit	2020-03-24 12:34:20	20000
99	9	110	kredit	2020-03-24 12:34:20	150000
100	5	102	debit	2020-03-24 12:34:20	20000

100	5	102	debit	2020-03-24	12:34:20	20000
101	3	105	kredit	2020-03-24	12:34:20	50000
102	4	107	debit	2020-03-24	12:34:20	100000
103	2	103	debit	2020-03-24	12:34:20	100000
104	1	104	debit	2020-03-24	12:34:20	50000
105	4	107	kredit	2020-03-24	12:34:20	200000
106	3	105	debit	2020-03-24	12:34:20	40000
107	1	104	kredit	2020-03-24	12:34:20	100000
108	4	101	kredit	2020-03-24	12:34:20	20000
109	2	103	debit	2020-03-24	12:34:20	50000
110	5	102	debit	2020-03-24	12:34:20	50000
111	10	108	debit	2020-03-24	12:34:20	100000
112	3	106	kredit	2020-03-24	12:34:20	50000
113	2	103	kredit	2020-03-24	12:34:20	200000
114	3	105	kredit	2020-03-24	12:34:20	100000
115	5	102	debit	2020-03-24	12:34:20	20000
116	1	104	debit	2020-03-24	12:34:20	50000
117	2	103	debit	2020-03-24	12:34:20	40000
118	4	101	debit	2020-03-24	12:34:20	50000
119	2	103	kredit	2020-03-24	12:34:20	100000
120	5	102	kredit	2020-03-24	12:34:20	200000
121	7	109	debit	2020-03-24	12:34:20	100000
122	9	110	debit	2020-03-24	12:34:20	20000
123	11	105	debit	2020-03-24	14:37:35	40000
124	11	104	kredit	2020-03-24	14:37:35	100000
125	14	101	kredit	2020-03-24	14:37:35	20000
126	12	103	debit	2020-03-24	14:37:35	50000
127	15	102	debit	2020-03-24	14:37:35	50000
128	20	108	debit	2020-03-24	14:37:35	100000
129	23	106	kredit	2020-03-24	14:37:35	50000
130	12	103	kredit	2020-03-24	14:37:35	200000
131	13	105	kredit	2020-03-24	14:37:35	100000
132	15	102	debit	2020-03-24	14:37:35	20000
133	11	104	debit	2020-03-24	14:37:35	50000
134	12	103	debit	2020-03-24	14:37:35	40000
135	14	101	kredit	2020-03-24	14:37:35	50000
136	12	103	kredit	2020-03-24	14:37:35	100000
137	15	102	kredit	2020-03-24	14:37:35	200000
138	11	104	debit	2020-03-24	14:37:35	50000
139	12	103	debit	2020-03-24	14:37:35	40000
140	14	101	debit	2020-03-24	14:37:35	50000
141	17	109	debit	2020-03-24	14:37:35	100000
142	19	110	debit	2020-03-24	14:37:35	20000