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C:\Users\acer>cd c:\xampp\mysql\bin
c:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 118
Server version: 10.4.6-MariaDB mariadb.org binary distribution

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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 Sudirman12')
-> (2, 'Maryati', 'Jl. MT. Haryono 31')
-> (3, 'Suparman', 'Jl. Hasanudin 41')
-> (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. Pangaandaran 11')
-> (9, 'Canka Lokananta', 'Jl. Tidal 86')
-> (10, 'Budi Murtono', 'Jl. Merak 22');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ''sutopo', '
Jl. Jendral Sudirman12')
(2, 'Maryati', 'Jl. MT. Haryono 31')
(3, 'Su' at line 2
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
-> values(1, 'sutopo', 'Jl. Jendral Sudirman12')
-> (2, 'Maryati', 'Jl. MT. Haryono 31')
-> (3, 'Suparman', 'Jl. Hasanudin 41')
-> (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. Pangaandaran 11')
-> (9, 'Canka Lokananta', 'Jl. Tidal 86')
-> (10, 'Budi Murtono', 'Jl. Merak 22');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(2, 'Maryat
i', 'Jl. MT. Haryono 31')
(3, 'Suparman', 'Jl. Hasanudin 41')

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(3, 'Suparman', 'Jl. Hasanudin 41')
(4, 'Ka' at line 3
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values(1, 'sutopo', 'Jl. Jendral Sudirman 12')
-> ;
Query OK, 1 row affected (0.090 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values(2, 'Maryati', 'Jl. MT. Haryono 31'),
-> (3, 'Suparman', 'Jl. Hasanudin 41'),
-> (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. Pangaandaran 11'),
-> (9, 'Canka Lokananta', 'Jl. Tidal 86'),
-> (10, 'Budi Murtono', 'Jl. Merak 22');
Query OK, 9 rows affected (0.084 sec)
Records: 9 Duplicates: 0 Warnings: 0

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'),
-> ('BRUN', 'Bank Rut Unit Wonogiri', 'Jl. Untung Senopati 12,);
->
-> ('BRUN', 'Bank Rut Unit Wonogiri', 'Jl. Untung Senopati 12');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '('BRUN', 'B
ank Rut Unit Wonogiri', 'Jl. Untung Senopati 12')' at line 7
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'),
-> ('BRUN', 'Bank Rut Unit Wonogiri', 'Jl. Untung Senopati 12');
Query OK, 6 rows affected (0.158 sec)
Records: 6 Duplicates: 0 Warnings: 0

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 (0.057 sec)
Records: 15 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> insert into rekening(no_rekening, Kode_cabangFK, pin, saldo) values(101,'BRUS','1111',50000)
-> (102,'BRUS','2222',350000),

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Command Prompt - mysql -u root -p
-> (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 (0.057 sec)
Records: 15 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> insert into rekening(no_rekening, Kode_cabangFK, pin, saldo) values(101,'BRUS','1111',50000)
-> (102,'BRUS','2222',350000),
-> (103,'BRUS','3333',750000),
-> (104,'BRUM','4444',900000),
-> (105,'BRUM','5555',2000000),
-> (106,'BRUS','6666',2000000),
-> (107,'BRUS','7777',1000000),
-> (108,'BRUB','0000',0),
-> (110,'BRUY','1234',550000),
-> (111,'BRUK','4321',150000),
-> (112,'BRUK','0123',300000),
-> (113,'BRUY','8888',255000);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(102,'BRUS',
'2222',350000),
(103,'BRUS','3333',750000),
(104,'BRUM','4444',900000)' at line 2
MariaDB [perbankan]> insert into rekening(no_rekening, Kode_cabangFK, pin, saldo) values(101,'BRUS','1111',50000);
Query OK, 1 row affected (0.135 sec)

MariaDB [perbankan]> insert into rekening(no_rekening, Kode_cabangFK, pin, saldo) values(102,'BRUS','2222',350000),
-> (103,'BRUS','3333',750000),
-> (104,'BRUM','4444',900000),
-> (105,'BRUM','5555',2000000);
-> (105,'BRUM','5555',2000000);
-> insert into rekening(no_rekening, Kode_cabangFK, pin, saldo) values(101,'BRUS','1111',50000);
-> (104,'BRUM','4444',900000),
->
->
-> _
```

```
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabang, pin, saldo) values(107,'BRUS','7777',1000000),
-> (108,'BRUB','0000',5000000);
ERROR 1054 (42S22): Unknown column 'kode_cabang' in 'field list'
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values(107,'BRUS','7777',1000000)
-> (108,'BRUB','0000',5000000),
-> (109,'BRUB','9999',0);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(108,'BRUB',
'0000',5000000),
(109,'BRUB','9999',0)' at line 2
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values(107,'BRUS','7777',1000000)
-> (108,'BRUB','0000',5000000),
-> (109,'BRUB','9999',0);
Query OK, 3 rows affected (0.140 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values(110,'BRUY','1234',550000);
Query OK, 1 row affected (0.063 sec)

MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values(111,'BRUK','4321',150000);
Query OK, 1 row affected (0.131 sec)

MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values(112,'BRUK','0123',300000);
Query OK, 1 row affected (0.125 sec)

MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values(113,'BRUY','8888',255000);
Query OK, 1 row affected (0.137 sec)

MariaDB [perbankan]> _
```

```
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 (0.001 sec)
```

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

no_rekening	kode_cabangFK	pin	saldo
101	BRUS	1111	50000
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]> 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 41
4	Kartika Padmasari	Jl. Manggis 15
5	Budi Eko Prayogo	Jl. kanti 30
6	Satria Eka Jaya	Jl. Slamet Riyadi 45
7	indri Hapsari	Jl. Sutoyo 5
8	Sari Murti	Jl. Pangaandaran 11
9	Canka Lokananta	Jl. Tidal 86
10	Budi Murtono	Jl. Merak 22

```
10 rows in set (0.002 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
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 Senopati 12
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

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

```
MariaDB [perbankan]> _
```

No 6

Sebelum

```
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
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)
```

Sesudah

```
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
7	Indri Hapsari	Jl. Slamet Riyadi 34
8	Sari Murti	Jl. Pangandaran 11
9	Canka Lokananta	Jl. Tidar 86
10	Budi Murtono	Jl. Merak 22

```
10 rows in set (0.002 sec)
```

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

kode_bank	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 (0.001 sec)
```

b.

```
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, 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 (0.174 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	2020-03-24 23:24:24	50000
2	2	103	debit	2020-03-24 23:24:24	40000
3	4	101	kredit	2020-03-24 23:24:24	20000
4	3	106	debit	2020-03-24 23:24:24	50000
5	5	107	kredit	2020-03-24 23:24:24	30000
6	1	104	kredit	2020-03-24 23:24:24	200000
7	9	110	kredit	2020-03-24 23:24:24	150000
8	5	102	debit	2020-03-24 23:24:24	20000
9	3	105	kredit	2020-03-24 23:24:24	50000
10	4	107	debit	2020-03-24 23:24:24	100000
11	2	103	debit	2020-03-24 23:24:24	100000
12	1	104	debit	2020-03-24 23:24:24	50000
13	4	107	kredit	2020-03-24 23:24:24	200000
14	3	105	debit	2020-03-24 23:24:24	40000
15	1	104	kredit	2020-03-24 23:24:24	100000
16	4	101	kredit	2020-03-24 23:24:24	20000
17	2	103	debit	2020-03-24 23:24:24	50000
18	5	102	debit	2020-03-24 23:24:24	50000
19	10	108	debit	2020-03-24 23:24:24	100000
20	3	106	kredit	2020-03-24 23:24:24	50000
21	2	103	kredit	2020-03-24 23:24:24	200000
22	3	105	kredit	2020-03-24 23:24:24	100000
23	5	102	debit	2020-03-24 23:24:24	20000
24	1	104	debit	2020-03-24 23:24:24	50000
25	2	103	debit	2020-03-24 23:24:24	40000
26	4	101	debit	2020-03-24 23:24:24	50000
27	2	103	kredit	2020-03-24 23:24:24	100000
28	5	102	kredit	2020-03-24 23:24:24	200000
29	7	109	debit	2020-03-24 23:24:24	100000
30	9	110	debit	2020-03-24 23:24:24	20000

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