NAMA : ALIP TABAH SAPUTRO

NIM : L200180215

MODUL 4


```
MariaDB [(none)]> create database perbankan;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> CREATE TABLE nasabah (
    -> id_nasabah INTEGER PRIMARY KEY,
    -> nama_nasabah VARCHAR(45) NOT NULL,
    -> alamat_nasabah VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.01 sec)

MariaDB [perbankan]> CREATE TABLE cabang_bank (
    -> kode_cabang VARCHAR(20) PRIMARY KEY,
    -> nama_cabang VARCHAR(45) UNIQUE NOT NULL,
    -> alamat_cabang VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.01 sec)

MariaDB [perbankan]> CREATE TABLE rekening (
    -> no_rekening INTEGER PRIMARY KEY,
    -> kode_cabangFK VARCHAR(20) REFERENCES cabang_bank(kode_cabang)ON DELETE CASCADE ON UPDATE CASCADE,
    -> pin VARCHAR(20) DEFAULT '1234' NOT NULL,
    -> saldo INTEGER DEFAULT 0 NOT NULL
    -> );
Query OK, 0 rows affected (0.01 sec)

MariaDB [perbankan]> CREATE TABLE transaksi (
    -> no_transaksi SERIAL PRIMARY KEY,
    -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah)
    -> ON DELETE SET NULL ON UPDATE CASCADE,
    -> no_rekeningFK INTEGER REFERENCES rekening(no_rekening)
    -> ON DELETE SET NULL ON UPDATE CASCADE,
    -> jenis_transaksi VARCHAR(20) DEFAULT 'debit' NOT NULL,
    -> tanggal DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP,
    -> jumlah INTEGER NOT NULL CHECK (jumlah>=2000)
    -> );
Query OK, 0 rows affected (0.01 sec)

MariaDB [perbankan]> nasabah_has_rekening (
    -> ;
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 t
o use near 'nasabah_has_rekening (' at line 1
MariaDB [perbankan]> CREATE TABLE nasabah_has_rekening (
    -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> no_rekeningFK INTEGER REFERENCES rekening(no_rekening)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
```



```
MariaDB [perbankan]> CREATE TABLE nasabah_has_rekening (
    -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> no_rekeningFK INTEGER REFERENCES rekening(no_rekening)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> PRIMARY KEY(id_nasabahFK, no_rekeningFK)
    -> );
Query OK, 0 rows affected (0.01 sec)

MariaDB [perbankan]> show tables;
+----------------------+
| Tables_in_perbankan  |
+----------------------+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+----------------------+
5 rows in set (0.00 sec)

MariaDB [perbankan]> describe nasabah;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| id_nasabah     | int(11)      | NO   | PRI | NULL    |       |
| nama_nasabah   | varchar(45)  | NO   |     | NULL    |       |
| alamat_nasabah | varchar(255) | NO   |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

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.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'),
    -> ;
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 t
o use near '' at line 11
MariaDB [perbankan]> (1,'Sutopo','jl.Jendral Sudirman 12'),
    ->     -> (2,'Maryati','jl.MT. Haryono 31'),
    ->     -> (3,'Suparman','jl.hasanudin 81'),
    ->     -> (4,'Kartika Padmasari','jl. Manggis 15'),
```

```
C:\Windows\system32\cmd.exe - mysql -u root -p                                                    —  □  ×

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.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'),
    -> ;
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MariaDB [perbankan]> (1,'Sutopo','jl.Jendral Sudirman 12'),
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    ->     -> (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'),
    -> );
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 t
o use near '1,'Sutopo','jl.Jendral Sudirman 12'),
    -> (2,'Maryati','jl.MT. Haryono 31'),
' at line 1
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.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 (0.00 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> describes nasabah;
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 t
o use near 'describes nasabah' at line 1
MariaDB [perbankan]> describe nasabah;
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
```

```
C:\Windows\system32\cmd.exe - mysql -u root -p                                                    —  □  ×

    -> (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 (0.00 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> describes nasabah;
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 t
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MariaDB [perbankan]> describe nasabah;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| id_nasabah     | int(11)      | NO   | PRI | NULL    |       |
| nama_nasabah   | varchar(45)  | NO   |     | NULL    |       |
| alamat_nasabah | varchar(255) | NO   |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

MariaDB [perbankan]> show nasabah;
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 t
o use near 'nasabah' at line 1
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabang, 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 1054 (42S22): Unknown column 'kode_cabang' in 'field list'
MariaDB [perbankan]> describe rekening;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| no_rekening  | int(11)     | NO   | PRI | NULL    |       |
| kode_cabangFK| varchar(20) | YES  |     | NULL    |       |
| pin          | varchar(20) | NO   |     | 1234    |       |
| saldo        | int(11)     | NO   |     | 0       |       |
+--------------+-------------+------+-----+---------+-------+
4 rows in set (0.01 sec)
```