

NAMA : HERLANGGA YUSUF SYAILENDRA

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MODUL 4

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Administrator@WINDOWS-PC: C:\xampp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g. Your MariaDB connection id is 3
Server version: 10.1.30-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)]> 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 (0.02 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 (0.02 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
-> );
Query OK, 0 rows affected (0.02 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>=20000)
-> );
Query OK, 0 rows affected (0.02 sec)

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 (0.02 sec)

MariaDB [perbankan]> show tables;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the
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 cabang_bank;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| kode_cabang | varchar(20) | NO | PRI | NULL | |
| nama_cabang | varchar(45) | NO | UNI | NULL | |
| alamat_cabang | varchar(255) | NO | | NULL | |
+-----+
3 rows in set (0.01 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]> describe nasabah_has_rekening;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| id_nasabahFK | int(11) | NO | PRI | NULL | |
| no_rekeningFK | int(11) | NO | PRI | NULL | |
+-----+
2 rows in set (0.01 sec)

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 | |
+-----+
3 rows in set (0.01 sec)

MariaDB [perbankan]> describe transaksi;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| no_transaksi | bigint(20) unsigned | NO | PRI | NULL | auto_increment |
| id_nasabahFK | int(11) | YES | | NULL | |
| no_rekeningFK | int(11) | YES | | NULL | |
| jenis_transaksi | varchar(20) | NO | | debit | |
| tanggal | datetime | NO | | CURRENT_TIMESTAMP | |
| jumlah | int(11) | NO | | NULL | |
+-----+
6 rows in set (0.01 sec)
```