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Praktikum

```
MariaDB [perbankan]> create table transaksi(
    -> no_transaksi INTEGER PRIMARY KEY,
    -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah)
    -> 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 (0.47 sec)

MariaDB [perbankan]> create table nasabah_has_rekening(
    -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah)
    -> ON DELETE SET NULL 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 (0.33 sec)

MariaDB [perbankan]> show tables;
+----------------------+
| Tables_in_perbankan  |
+----------------------+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+----------------------+
5 rows in set (0.09 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 (0.05 sec)

MariaDB [perbankan]>
```

Tugas

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

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 15
Server version: 10.1.19-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 perkuliahan;
Query OK, 1 row affected (0.03 sec)

MariaDB [(none)]> use perkuliahan;
Database changed
```

```
MariaDB [perkuliahan]> create table dosen(
    -> nip INTEGER PRIMARY KEY,
    -> nama_dosen VARCHAR(45) NOT NULL,
    -> alamat_dosen VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.27 sec)

MariaDB [perkuliahan]> create table mahasiswa(
    -> nim INTEGER PRIMARY KEY,
    -> nipFK INTEGER REFERENCES dosen(nip)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> nama_mahasiswa VARCHAR(45) NOT NULL,
    -> alamat_mahasiswa VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.35 sec)

MariaDB [perkuliahan]> create table matkul(
    -> nama_matkul VARCHAR(45) NOT NULL,
    -> nipFK INTEGER REFERENCES dosen(nip)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> id_matkul INTEGER PRIMARY KEY,
    -> dosen_pengampu VARCHAR(45) NOT NULL
    -> );
Query OK, 0 rows affected (0.65 sec)

MariaDB [perkuliahan]> create table runang_kelas(
    -> kode_kelas INTEGER PRIMARY KEY,
    -> kapasitas INTEGER(20)
    -> );
Query OK, 0 rows affected (0.45 sec)

MariaDB [perkuliahan]> create table mahasiswa_has_matkul(
    -> nimFK INTEGER REFERENCES mahasiswa(nim)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
    -> ON DELETE CASCADE ON UPDATE CASCADE,
    -> PRIMARY KEY(nimFK, id_matkulFK)
    -> );
Query OK, 0 rows affected (0.28 sec)
```

```
MariaDB [perkuliahan]> show tables;
+----------------------+
| Tables_in_perkuliahan |
+----------------------+
| dosen                |
| mahasiswa            |
| mahasiswa_has_matkul |
| matkul               |
| runang_kelas         |
+----------------------+
5 rows in set (0.00 sec)

MariaDB [perkuliahan]> describe mahasiswa;
+------------------+--------------+------+-----+---------+-------+
| Field            | Type         | Null | Key | Default | Extra |
+------------------+--------------+------+-----+---------+-------+
| nim              | int(11)      | NO   | PRI | NULL    |       |
| nipFK            | int(11)      | YES  |     | NULL    |       |
| nama_mahasiswa   | varchar(45)  | NO   |     | NULL    |       |
| alamat_mahasiswa | varchar(255) | NO   |     | NULL    |       |
+------------------+--------------+------+-----+---------+-------+
4 rows in set (0.01 sec)

MariaDB [perkuliahan]>
```