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#### Modul 4 kegiatan

1. Membuat database baru dan terhubung dengan database tsb

```
MariaDB [(none)]> create database perbankan;  
Query OK, 1 row affected (0.01 sec)  
  
MariaDB [(none)]> use perbankan;  
Database changed
```

2. Membuat table nasabah dan rekening

```
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 (0.34 sec)  
  
MariaDB [perbankan]> CREATE TABLE rekening(  
-> kode_cabang VARCHAR(20) PRIMARY KEY,  
-> nama_nasabah VARCHAR(45) UNIQUE NOT NULL,  
-> alamat_cabang VARCHAR(255) NOT NULL);  
Query OK, 0 rows affected (0.31 sec)
```

3. Membuat table transaksi dan nasabah\_has\_rekening

```
MariaDB [perbankan]> CREATE TABLE transaksi(  
-> kode_cabang 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 (0.41 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 SET NULL ON UPDATE CASCADE,  
-> PRIMARY KEY (id_nasabahFK, no_rekeningFK));  
Query OK, 0 rows affected (0.29 sec)
```

4. Mengecek hasil pembuatan database dan melihat isi table nasabah

```
MariaDB [perbankan]> show tables;
```

```
+-----+  
| Tables_in_perbankan |  
+-----+  
| nasabah              |  
| nasabah_has_rekening |  
| rekening             |  
| transaksi            |  
+-----+  
4 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 (0.07 sec)
```