Nama : Xenyx S

NIM   : L200170089

Kelas : A

Modul 4 kegiatan

1. Membuat database baru dan terbuhung 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)
```