Nama : Yusrina Khairin Rusydina
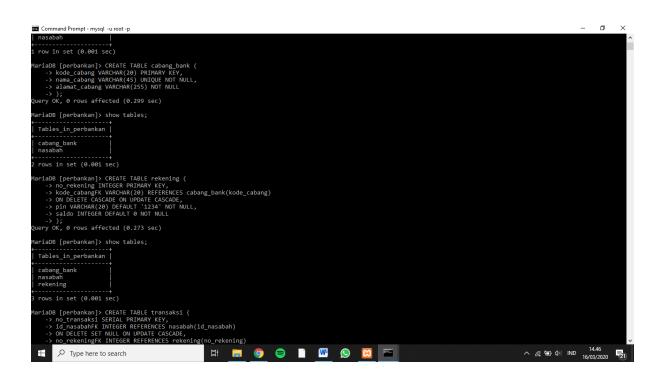
NIM   : L200180025

Kelas : B

MODUL 4

LATIHAN

```
      -> 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)
     '> );
     '> 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)
     '> );
     '> 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,
     '> jenis_transaksi VARCHAR(20) DEFAULT 'debit' NOT NULL,
      -> tanggal DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP,
      -> jumlah INTEGER NOT NULL CHECK (jumlah>=20000)
      -> );
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 to use near '' NOT NULL,
tanggal DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP,
jumlah INTEGER ' at line 7
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 (0.556 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 (0.478 sec)

MariaDB [perbankan]> show tables;
+----------------------+
| Tables_in_perbankan  |
+----------------------+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+----------------------+
5 rows in set (0.001 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 (0.187 sec)

MariaDB [perbankan]>
```

TUGAS

```
3 rows in set (0.187 sec)

MariaDB [perbankan]> use data kuliah
ERROR 1049 (42000): Unknown database 'data'
MariaDB [perbankan]> use mysql
Database changed
MariaDB [mysql]> use data kuliah
ERROR 1049 (42000): Unknown database 'data'
MariaDB [mysql]> use data_kuliah
ERROR 1049 (42000): Unknown database 'data_kuliah'
MariaDB [mysql]> show databases
    -> ;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| perbankan          |
| performance_schema |
| phpmyadmin         |
| test               |
+--------------------+
6 rows in set (0.001 sec)

MariaDB [mysql]> create database data_kuliah
    -> ;
Query OK, 1 row affected (0.003 sec)

MariaDB [mysql]> show databases;
+--------------------+
| Database           |
+--------------------+
| data_kuliah        |
| information_schema |
| mysql              |
| perbankan          |
| performance_schema |
| phpmyadmin         |
| test               |
+--------------------+
7 rows in set (0.001 sec)

MariaDB [mysql]> use data_kuliah
```

```
MariaDB [mysql]> use data_kuliah
Database changed
MariaDB [data_kuliah]> CREATE TABLE mahasiswa (
    -> id_mahasiswa INTEGER PRIMARY KEY,
    -> nama_mahasiswa VARCHAR(45) NOT NULL,
    -> alamat_mahasiswa VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.361 sec)

MariaDB [data_kuliah]> CREATE TABLE dosen (
    -> id_dosen INTEGER PRIMARY KEY,
    -> nama_dosen VARCHAR(45) NOT NULL,
    -> kode_dosen VARCHAR(20) NOT NULL,
    -> alamat_dosen VARCHAR(255) NOT NULL
    -> );
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 to use near 'dosen VARCHAR(45) NOT NULL,
kode_dosen VARCHAR(20) NOT NULL,
alamat_dosen VARCHA' at line 3
MariaDB [data_kuliah]> CREATE TABLE dosen (
    -> id_dosen INTEGER PRIMARY KEY,
    -> nama_dosen VARCHAR(45) NOT NULL,
    -> kode_dosen VARCHAR(20) NOT NULL,
    -> alamat_dosen VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.239 sec)

MariaDB [data_kuliah]> CREATE TABLE mata_kuliah (
    -> nama_mata_kuliah VARCHAR(20) PRIMARY KEY,
    -> kode_mata_kuliah VARCHAR(50) NOT NULL
    -> );
Query OK, 0 rows affected (0.367 sec)

MariaDB [data_kuliah]> CREATE TABLE ruang_kelas (
    -> jumlah INTEGER PRIMARY KEY
    -> jumlah INTEGER PRIMARY KEY,
    -> nama_ruang_kelasFK VARCHAR(10) REFERENCES dosen(kode_dosen)
    -> );
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 to use near 'INTEGER PRIMARY KEY,
nama_ruang_kelasFK VARCHAR(10) REFERENCES dosen(kode_dosen' at line 3
MariaDB [data_kuliah]> CREATE TABLE ruang_kelas (
    -> jumlah INTEGER PRIMARY KEY,
    -> nama_ruang_kelas VARCHAR(10) NOT NULL
```

```
        -> nama_ruang_kelas VARCHAR(10) NOT NULL
    -> );
Query OK, 0 rows affected (0.262 sec)

MariaDB [data_kuliah]> show tables;
+----------------------+
| Tables_in_data_kuliah |
+----------------------+
| dosen                |
| mahasiswa            |
| mata_kuliah          |
| ruang_kelas          |
+----------------------+
4 rows in set (0.001 sec)

MariaDB [data_kuliah]> describe mahasiswa;
+-----------------+--------------+------+-----+---------+-------+
| Field           | Type         | Null | Key | Default | Extra |
+-----------------+--------------+------+-----+---------+-------+
| id_mahasiswa    | int(11)      | NO   | PRI | NULL    |       |
| nama_mahasiswa  | varchar(45)  | NO   |     | NULL    |       |
| alamat_mahasiswa | varchar(255) | NO  |     | NULL    |       |
+-----------------+--------------+------+-----+---------+-------+
3 rows in set (0.019 sec)

MariaDB [data_kuliah]>
```