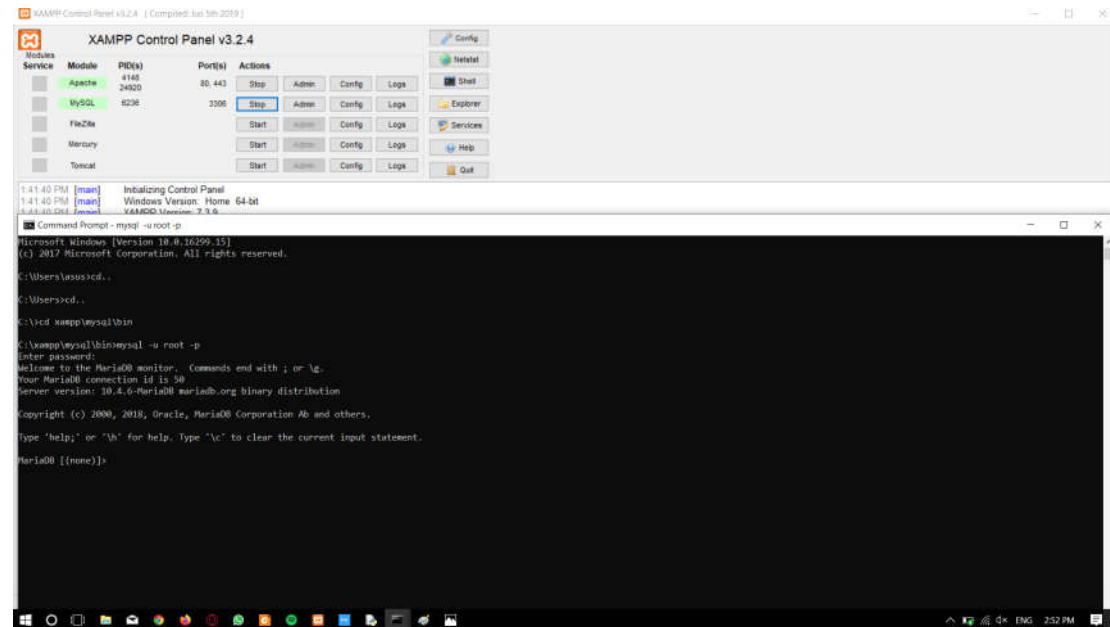Nama   : Luqman Hanung Asidiq
NIM   : L200180035
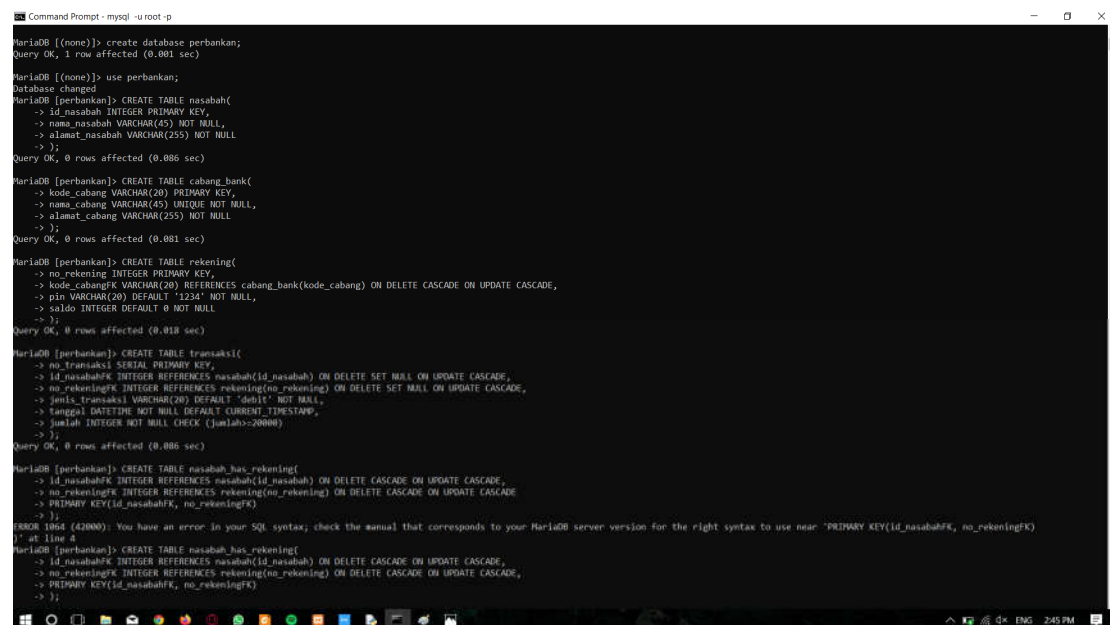Kelas   : B

Praktikum Sistem Basis Data
Modul 4

Langkah-Langkah Praktikum

1.

2. Create tabel "Perbankan"

3. Tampilan tabel "Perbankan"

```
-> PRIMARY KEY(id_nasabahFK, no_rekeningFK)
-> );
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 'PRIMARY KEY(id_nasabahFK, no_rekeningFK
)' at line 4
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 (0.087 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]> desc 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 (0.074 sec)

MariaDB [perbankan]> desc 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 (0.012 sec)

MariaDB [perbankan]>
```

Tugas

1. membuat database "kuliah" dan membuat tablenya

```
        -> FS
        -> );
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 ')' at line 6
MariaDB [kuliah]> CREATE TABLE dosen(
        -> nama_dosen VARCHAR(45) NOT NULL,
        -> nip VARCHAR(20) PRIMARY KEY,
        -> alamat_dosen VARCHAR(255) NOT NULL
        -> );
Query OK, 0 rows affected (0.028 sec)

MariaDB [kuliah]> CREATE TABLE mata_kuliah(
        -> kode_matkul VARCHAR(20) PRIMARY KEY,
        -> nama_matkul VARCHAR
        -> );
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 ')' at line 4
MariaDB [kuliah]> CREATE TABLE mata_kuliah(
        -> kode_matkul VARCHAR(20) PRIMARY KEY,
        -> nama_matkul VARCHAR(45) 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 ')' at line 4
MariaDB [kuliah]> CREATE TABLE mata_kuliah(
        -> kode_matkul VARCHAR(20) PRIMARY KEY,
        -> nama_matkul VARCHAR(45) NOT NULL
        -> );
Query OK, 0 rows affected (0.020 sec)

MariaDB [kuliah]> CREATE TABLE ruang_kelas(
        -> nama_ruang VARCHAR(45) NOT NULL,
        -> kode_ruang VARCHAR(20) PRIMARY KEY
        -> );
Query OK, 0 rows affected (0.018 sec)

MariaDB [kuliah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
        -> nimFK VARCHAR(20) REFERENCES mahasiswa(nim) ON DELETE CASCADE ON UPDATE CASCADE,
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nimFK, nipFK)
        -> );
Query OK, 0 rows affected (0.078 sec)

MariaDB [kuliah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_ruangFK VARCHAR(20) REFERENCE ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CASCADE
        -> );
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 'ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CA
SCADE
)' at line 3
MariaDB [kuliah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_ruangFK VARCHAR(20) REFERENCE ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nipFK, kode_ruangFK)
```



```
MariaDB [kuliah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_ruangFK VARCHAR(20) REFERENCE ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CASCADE
        -> );
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 'ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CA
SCADE
)' at line 3
MariaDB [kuliah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_ruangFK VARCHAR(20) REFERENCE ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nipFK, kode_ruangFK)
        -> );
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 'ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CA
SCADE,
PRIMARY KEY(nipFK, ' at line 3
MariaDB [kuliah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_ruangFK VARCHAR(20) REFERENCES ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nipFK, kode_ruangFK)
        -> );
Query OK, 0 rows affected (0.018 sec)

MariaDB [kuliah]> CREATE TABLE dosen_teach_mata_kuliah(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_matkulFK VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nipFK, kode_matkulFK)
        -> );
Query OK, 0 rows affected (0.011 sec)

MariaDB [kuliah]> CREATE TABLE  dosen_teach_mahasiswa(
        -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
        -> nimFK VARCHAR(20) REFERENCES mahasiswa(nim) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nipFK, nimFK)
        -> );
Query OK, 0 rows affected (0.002 sec)

MariaDB [kuliah]> CREATE TABLE mahasiswa_take_mata_kuliah(
        -> nimFK VARCHAR(20) REFERENCES mahasiswa(nim) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_matkulFK VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(nimFK, kode_matkulFK)
        -> );
Query OK, 0 rows affected (0.018 sec)

MariaDB [kuliah]> CREATE TABLE mata_kuliah_fill_ruang_kelas(
        -> kode_matkulFK VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE CASCADE ON UPDATE CASCADE,
        -> kode_ruangFK VARCHAR(20) REFERENCES ruang_kelas(kode_ruang) ON DELETE CASCADE ON UPDATE CASCADE,
        -> PRIMARY KEY(kode_matkulFK, kode_ruangFK)
        -> );
Query OK, 0 rows affected (0.019 sec)
```

2. menampilkan tables

```
MariaDB [kuliah]> show tables;
+----------------------------+
| Tables_in_kuliah           |
+----------------------------+
| dosen                      |
| dosen_teach_mahasiswa      |
| dosen_teach_mata_kuliah    |
| dosen_use_ruang_kelas      |
| mahasiswa                  |
| mahasiswa_take_mata_kuliah |
| mata_kuliah                |
| mata_kuliah_fill_ruang_kelas |
| ruang_kelas                |
+----------------------------+
9 rows in set (0.001 sec)

MariaDB [kuliah]> desc 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 ')' at line 2
MariaDB [kuliah]> desc dosen;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| nama_dosen  | varchar(45)  | NO   |     | NULL    |       |
| nip         | varchar(20)  | NO   | PRI | NULL    |       |
| alamat_dosen| varchar(255) | NO   |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
3 rows in set (0.007 sec)

MariaDB [kuliah]> desc mahasiswa;
+-----------------+--------------+------+-----+---------+-------+
| Field           | Type         | Null | Key | Default | Extra |
+-----------------+--------------+------+-----+---------+-------+
| nama_mahasiswa  | varchar(45)  | NO   |     | NULL    |       |
| nim             | varchar(20)  | NO   | PRI | NULL    |       |
| alamat_mahasiswa| varchar(255) | NO   |     | NULL    |       |
+-----------------+--------------+------+-----+---------+-------+
3 rows in set (0.007 sec)

MariaDB [kuliah]> desc ruang_kelas;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| nama_ruang | varchar(45) | NO   |     | NULL    |       |
| kode_ruang | varchar(20) | NO   | PRI | NULL    |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.008 sec)

MariaDB [kuliah]> desc mata_kuliah;
```

```
3 rows in set (0.007 sec)

MariaDB [kuliah]> desc ruang_kelas;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| nama_ruang | varchar(45) | NO   |     | NULL    |       |
| kode_ruang | varchar(20) | NO   | PRI | NULL    |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.008 sec)

MariaDB [kuliah]> desc mata_kuliah;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| kode_matkul| varchar(20) | NO   | PRI | NULL    |       |
| nama_matkul| varchar(45) | NO   |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.008 sec)

MariaDB [kuliah]> desc mahasiswa_take_mata_kuliah;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| nimFK      | varchar(20) | NO   | PRI | NULL    |       |
| kode_matkulFK | varchar(20) | NO | PRI | NULL   |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.009 sec)

MariaDB [kuliah]> desc dosen_teach_mahasiswa;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| nipFK | varchar(20) | NO   | PRI | NULL    |       |
| nimFK | varchar(20) | NO   | PRI | NULL    |       |
+-------+-------------+------+-----+---------+-------+
2 rows in set (0.008 sec)

MariaDB [kuliah]> desc mata_kuliah_fill_ruang_kelas;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| kode_matkulFK | varchar(20) | NO | PRI | NULL   |       |
| kode_ruangFK  | varchar(20) | NO | PRI | NULL   |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.003 sec)

MariaDB [kuliah]>
```