Praktikum Sistem Basis Data

Nama: Rayhan Nurfalah Lukman

NIM : L200180100

Kelas : D

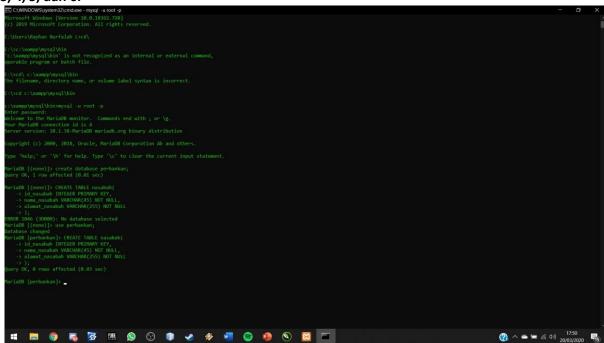
Modul 4

Langkah-langkah Praktikum

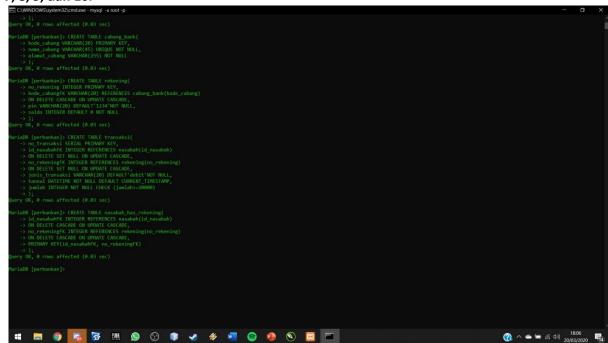
1, dan 2.



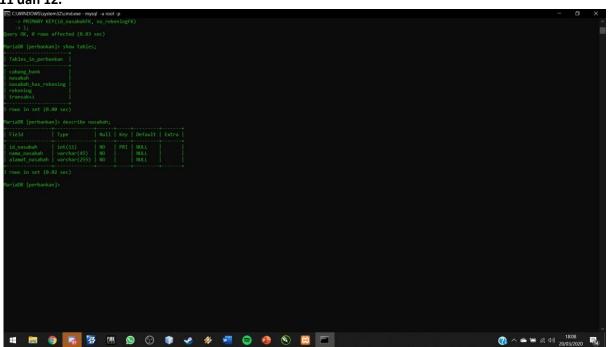
3, 4, 5, dan 6.



7, 8, 9, dan 10.



11 dan 12.



Tugas

Membuat database kuliah

```
Enter password:
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 2
Server version: 10.1.38-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> use kuliah;
Database changed
MariaDB [kuliah]> create table mahasiswa (
--> nim INTEGER PRIMARY KEY,
-> nama VARCHAR(255) NOT NULL,
-> alamat VARCHAR(255) NOT NULL
-> ;
Query OK, 0 rows affected (0.06 sec)

MariaDB [kuliah]> drop database kuliah
-> ;
Query OK, 1 row affected (0.06 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.01 sec)
```

Membuat table mahasiswa, dosen, mata_kuliah, ruang_kelas

```
Database changed
MariaDB [kuliah]> create table mahasiswa (
-> nim INTEGER PRIMARY KEY,
-> nama VARCHAR(255) NOT NULL,
-> alamat VARCHAR(255) NOT NULL
-> );
Query OK, 0 rows affected (0.06 sec)

MariaDB [kuliah]> drop database kuliah
-> ;
Query OK, 1 row affected (0.06 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> use kuliah;
Database changed

MariaDB [(none)]> use kuliah;
Database changed

MariaDB [kuliah]> create table mahasiswa (
-> nim_mhs INTEGER PRIMARY KEY,
-> nama_mhs VARCHAR(45) NOT NULL,
-> alamat_mhs VARCHAR(255) NOT NULL
-> );
Query OK, 0 rows affected (0.03 sec)

MariaDB [kuliah]> create table dosen (
-> nip_dosen INTEGER PRIMARY KEY,
-> nama_dosen VARCHAR(45) NOT NULL,
-> alamat_dosen VARCHAR(45) NOT NULL,
-> alamat_adsen VARCHAR(45) NOT NULL,
-> alamat_dosen VARCHAR(255) NOT NULL
-> );
Query OK, 0 rows affected (0.03 sec)
```

```
MariaDB [kuliah] create table mata_kuliah (
-> id_mk_INTEGER_PRIMARY_KEY,
-> nama_mk_VARCHAR(25)_NOT_NULL
-> );
Query_OK, 0 rows affected (0.03 sec)

MariaDB [kuliah] create table ruang_kelas (
-> id_ruangan_INTEGER_PRIMARY_KEY,
-> nama_ruangan_VARCHAR(25)_NOT_NULL
-> );
Query_OK, 0 rows affected (0.03 sec)

MariaDB [kuliah] create table mahasiswa_has_dosen (
-> nim_mhsFK_INTEGER_REFERENCES mahasiswa(nim_mhs)
-> ON_DELETE_CASCADE_ON_UPDATE_CASCADE,
-> );
Query_OK, 0 rows affected (0.03 sec)

MariaDB [kuliah] create table mahasiswa_has_mata_kuliah (
-> nim_mhsFK_INTEGER_REFERENCES dosen(nip_dosen)
-> );
Query_OK, 0 rows affected (0.03 sec)

MariaDB [kuliah] create table mahasiswa_has_mata_kuliah (
-> nim_mhsFK_INTEGER_REFERENCES mahasiswa(nim_mhs)
-> ON_DELETE_CASCADE_ON_UPDATE_CASCADE,
-> );
Query_OK, 0 rows affected (0.03 sec)

MariaDB [kuliah] create table mahasiswa_has_mata_kuliah (
-> nim_mhsFK_INTEGER_REFERENCES mahasiswa(nim_mhs)
-> ON_DELETE_CASCADE_ON_UPDATE_CASCADE,
-> id_mkFK_INTEGER_REFERENCES_mata_kuliah(id_mk)
-> ON_DELETE_CASCADE_ON_UPDATE_CASCADE
-> ,
-> PRIMARY_KEY(nim_mhsFK,id_mkFK)
-> PRIMARY_KEY(nim_mhsFK,id_mkFK)
```

Show semua table yang ada pada database kuliah

