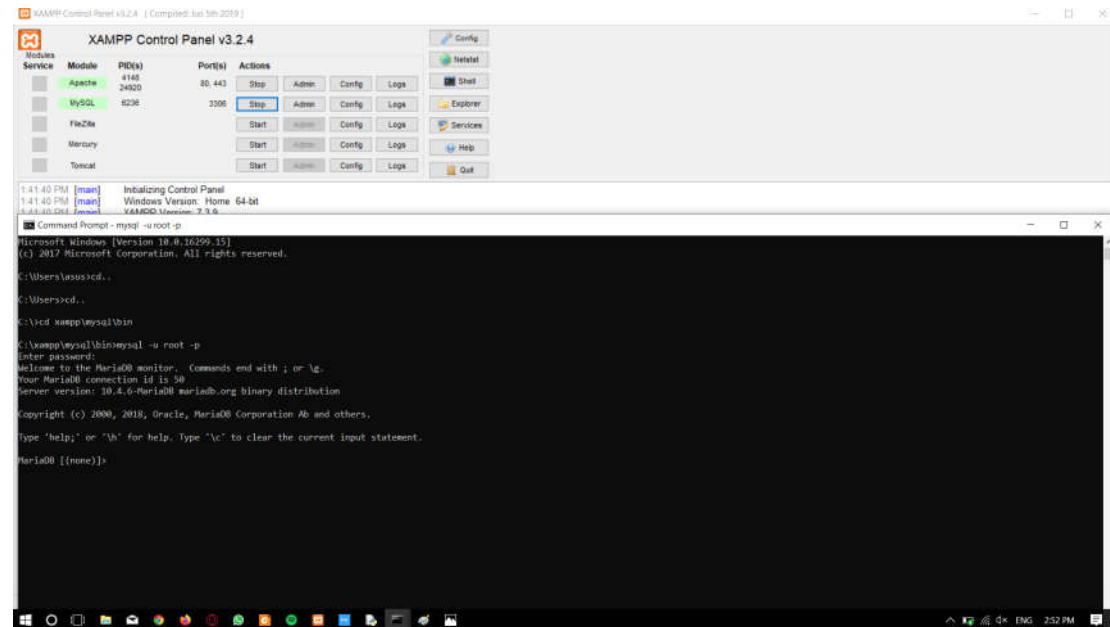


Nama : Luqman Hanung Asidiq
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Kelas : B

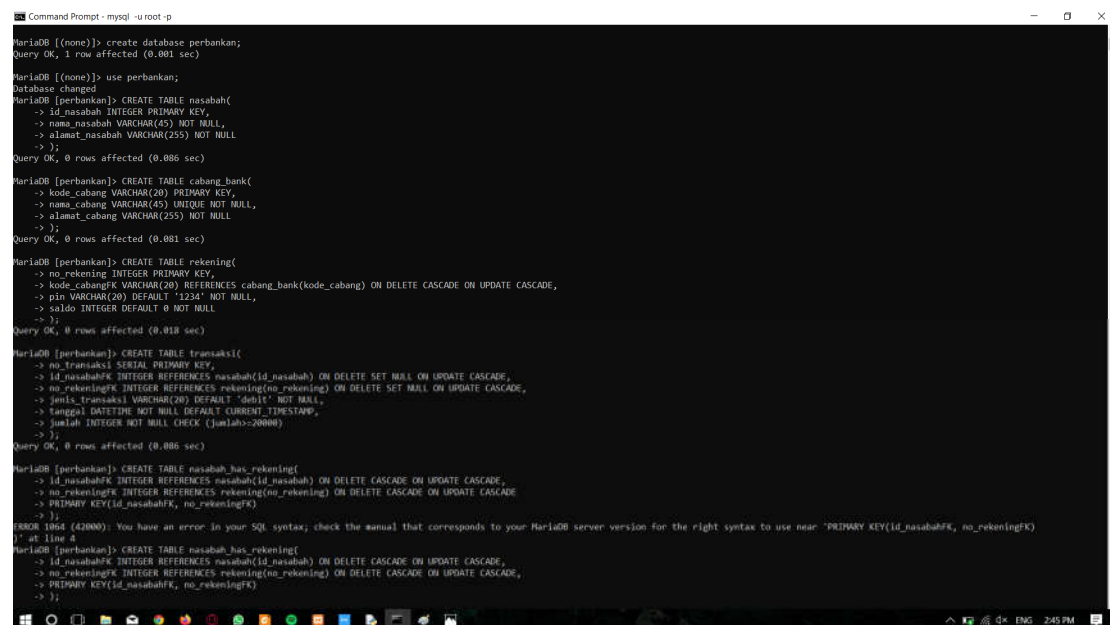
Praktikum Sistem Basis Data Modul 4

Langkah-Langkah Praktikum

1.



2. Create tabel "Perbankan"



3. Tampilan tabel "Perbankan"

Command Prompt - mysql -u root -p

```
-> 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 (0.032 sec)

MariaDB [perbankan]>
```

localhost/phpmyadmin/db_structure.php

Struktur

SQL

Cart

Kueri

Ekspor

Impor

Operasi

Hak Akses

Routine

Event

Trigger

Pelacakan

Lainnya

Filters

Mengandung kata:

Tabel	Tindakan	Beri	Jenis	Penyortiran	Ukuran	Behan
<input type="checkbox"/> cabang_bank		InnoDB	latin1_swedish_ci	12 KB	-	
<input type="checkbox"/> nasabah		InnoDB	latin1_swedish_ci	24 KB	-	
<input type="checkbox"/> nasabah_has_rekening		InnoDB	latin1_swedish_ci	14 KB	-	
<input type="checkbox"/> rekening		InnoDB	latin1_swedish_ci	24 KB	-	
<input type="checkbox"/> transaksi		InnoDB	latin1_swedish_ci	24 KB	-	
5 tabel		Jumlah		InnoDB	latin1_swedish_ci	96 KB

Cetak

Kamus data

Buat tabel

Nama: Jumlah kolom:

Kirim

Tugas

1. membuat database “kuliah” dan membuat tablenya

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.16299.15]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\asus>cd..

C:\Users>cd..

C:\>cd xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 50
Server version: 10.4.6-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 (0.002 sec)

MariaDB [(none)]> use kuliah;
Database changed
MariaDB [kuliah]> CREATE TABLE mahasiswa(
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> nim VARCHAR(20) PRIMARY KEY,
-> alamat_mahasiswa 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 ');' at line 5
MariaDB [kuliah]> CREATE TABLE mahasiswa(
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> nim VARCHAR(20) PRIMARY KEY,
-> nim VARCHAR(20) PRIMARY KEY,
-> alamat_mahasiswa 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 ');' at line 6
MariaDB [kuliah]> CREATE TABLE mahasiswa(
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> nim VARCHAR(20) PRIMARY KEY,
-> alamat_mahasiswa VARCHAR(255) NOT NULL,
-> );
Query OK, 0 rows affected (0.010 sec)

MariaDB [kuliah]> CREATE TABLE dosen(
-> nama_dosen VARCHAR(45) NOT NULL,
-> nip VARCHAR(20) NOT NULL,
-> nip VARCHAR(20) PRIMARY KEY,
-> ts );
-> );
```

```
Command Prompt - mysql -u root -p
-> 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> CREATE TABLE DOSEN_USE_RUANG_KELAS(
-> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
-> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(nipFK, nipFK)
-> );
Query OK, 0 rows affected (0.078 sec)

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

MariaDB [kuliiah]> CREATE TABLE mahasiswa_teach_mata_kuliah(
-> nipFK VARCHAR(20) REFERENCES mahasiswa(nia) 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 (0.018 sec)

MariaDB [kuliiah]> CREATE TABLE mata_kuliah_dili_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

Command Prompt - mysql -u root -p

MariaDB [kuliiah]> show tables;

```
Tables_in_kuliiah
+-----+
| 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> 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 [kuliiah]> desc mata_kuliah;

Field	Type	Null	Key	Default	Extra
nama_mata_kuliah	varchar(45)	NO		NULL	
kode_mata_kuliah	varchar(20)	NO	PRI	NULL	

2 rows in set (0.007 sec)

MariaDB [kuliiah]> 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 [kuliiah]> desc mata_kuliah;

Field	Type	Null	Key	Default	Extra
nama_mata_kuliah	varchar(45)	NO		NULL	
kode_mata_kuliah	varchar(20)	NO	PRI	NULL	

2 rows in set (0.008 sec)

MariaDB [kuliiah]> desc mahasiswa_take_mata_kuliah;

Field	Type	Null	Key	Default	Extra
nimFK	varchar(20)	NO	PRI	NULL	
kode_matakulFK	varchar(20)	NO	PRI	NULL	

2 rows in set (0.000 sec)

MariaDB [kuliiah]> desc dosen_teach_mahasiswa;

Field	Type	Null	Key	Default	Extra
nipFK	varchar(20)	NO	PRI	NULL	
namaFK	varchar(20)	NO	PRI	NULL	

2 rows in set (0.008 sec)

MariaDB [kuliiah]> desc mata_kuliah_fill_ruang_kelas;

Field	Type	Null	Key	Default	Extra
kode_matakulFK	varchar(20)	NO	PRI	NULL	
kode_ruangFK	varchar(20)	NO	PRI	NULL	

2 rows in set (0.003 sec)

MariaDB [kuliiah]>

