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Kelas : D

Modul : 4

TUGAS MODUL 4

- Membuat implementasi rancangan database yang menangani data kuliah pada modul 2 ke dalam program mysql.

```
C:\>cd C:\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 2
Server version: 10.1.30-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database Universitas;
Query OK, 1 row affected (0.08 sec)

MariaDB [(none)]> use Universitas;
Database changed
```

```
MariaDB [Universitas]>
MariaDB [Universitas]> CREATE TABLE Dosen(
  -> nip_dosen INTEGER PRIMARY KEY NOT NULL,
  -> nama_dosen VARCHAR(200) NOT NULL,
  -> alamat_dosen VARCHAR(200) NOT NULL
  -> );
Query OK, 0 rows affected (0.28 sec)

MariaDB [Universitas]> CREATE TABLE Mahasiswa(
  -> nim_mahasiswa VARCHAR(10) PRIMARY KEY NOT NULL,
  -> nama_mahasiswa VARCHAR(200) NOT NULL,
  -> alamat_mahasiswa VARCHAR(200) 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 [Universitas]> CREATE TABLE Mahasiswa(
  -> nim_mahasiswa VARCHAR(10) PRIMARY KEY NOT NULL,
  -> nama_mahasiswa VARCHAR(200) OT NULL,
  -> alamat_mahasiswa VARCHAR(200) 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 'NULL,
alamat_mahasiswa VARCHAR(200) NOT NULL
)' at line 3
MariaDB [Universitas]> CREATE TABLE Mahasiswa(
  -> nim_mahasiswa VARCHAR(10) PRIMARY KEY NOT NULL,
  -> nama_mahasiswa VARCHAR(200) NOT NULL,
  -> alamat_mahasiswa VARCHAR(200) NOT NULL
  -> );
Query OK, 0 rows affected (0.20 sec)

MariaDB [Universitas]> CREATE TABLE Ruang_Kelas
  -> (kode_ruang PRIMARY KEY NOT NULL,
  -> nama_ruang
  -> );
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
NOT NULL,
nama_ruang' at line 2
MariaDB [Universitas]> CREATE TABLE Ruang(
  -> kode_ruang VARCHAR(25) PRIMARY KEY NOT NULL,
  -> nama_ruang VARCHAR(100) NOT NULL
  -> );
Query OK, 0 rows affected (0.18 sec)
```

```

MariaDB [Universitas]> CREATE TABLE Ruang_Kelas
  -> (kode_ruang PRIMARY KEY NOT NULL,
  -> nama_ruang
  -> );
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
NOT NULL,
nama_ruang' at line 2
MariaDB [Universitas]> CREATE TABLE Ruang(
  -> kode_ruang VARCHAR(25) PRIMARY KEY NOT NULL,
  -> nama_ruang VARCHAR(100) NOT NULL
  -> );
Query OK, 0 rows affected (0.18 sec)

MariaDB [Universitas]> CREATE TABLE MatKul(
  -> kode_MK VARCHAR(25) PRIMARY KEY NOT NULL,
  -> nama_MK VARCHAR(100) NOT NULL
  -> );
Query OK, 0 rows affected (0.18 sec)

MariaDB [Universitas]> show table;
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 1

MariaDB [Universitas]> show tables;
+-----+
| Tables_in_universitas |
+-----+
| dosen                  |
| mahasiswa              |
| matkul                 |
| ruang                  |
+-----+
4 rows in set (0.10 sec)

MariaDB [Universitas]>

```

- Mengimplementasikan hasil rancangan database yang menangani bandara pada tugas modul 2 ke dalam program mysql.

```

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 3
Server version: 10.1.30-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database Bandara;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use Bandara;
Database changed
MariaDB [Bandara]> create table bandara(
  -> id_bandara VARCHAR(20) PRIMARY KEY,
  -> nama_bandara VARCHAR(100) NOT NULL,
  -> kategori_bandara VARCHAR(100) NOT NULL
  -> );
Query OK, 0 rows affected (0.54 sec)

MariaDB [Bandara]> create table pilot(
  -> id_pilot VARCHAR(25) PRIMARY KEY NOT NULL,
  -> nama_pilot 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 3

MariaDB [Bandara]> create table pilot(
  -> id_pilot VARCHAR(25) PRIMARY KEY NOT NULL,
  -> nama_pilot VARCHAR(200) NOT NULL,
  -> gender_pilot VARCHAR(10) NOT NULL
  -> );
Query OK, 0 rows affected (0.15 sec)

MariaDB [Bandara]> create table penumpang(
  -> kode_penumpang VARCHAR(25) PRIMARY KEY NOT NULL,
  -> nama_penumpang VARCHAR(200)
  -> );
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

```

```
Command Prompt
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 [Bandara]> create table pesawat(
  -> kode_pesawat VARCHAR(25) PRIMARY KEY NOT NULL,
  -> id_pilotFK VARCHAR(25) REFERENCES pilot(id_pilot)
  -> ON DELETE SET NULL ON UPDATE CASCADE,
  -> jenis_pesawat VARCHAR(45) NOT NULL,
  -> kapasitas_pesawat VARCHAR(10)
  -> );
Query OK, 0 rows affected (0.83 sec)

MariaDB [Bandara]> create table penumpang(
  -> kode_penumpang VARCHAR(20) PRIMARY KEY NOT NULL,
  -> nama_penumpang VARCHAR(200).;
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 3
MariaDB [Bandara]> create table penumpang(
  -> id_penumpang VARCHAR(200) PRIMARY KEY NOT NULL,
  -> nama_penumpang VARCHAR(200) NOT NULL,
  -> gender_penumpang VARCHAR(10) NOT NULL,
  -> alamat_penumpang VARCHAR(200) NOT NULL
  -> );
Query OK, 0 rows affected (0.14 sec)

MariaDB [Bandara]> show tables;
+-----+
| Tables_in_bandara |
+-----+
| bandara           |
| penumpang         |
| pesawat           |
| pilot             |
+-----+
4 rows in set (0.10 sec)

MariaDB [Bandara]> exit
Bye

C:\xampp\mysql\bin>
```