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Kelas : A

Matkul: Praktikum Sistem Basis Data

TUGAS MODUL 4

DATA DEFINITION LANGUAGE (DDL)

```
Microsoft Windows [Version 10.0.15063]
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C:\Users\lenovo>cd\

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 39
Server version: 10.4.11-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 perkuliahan;
Query OK, 1 row affected (0.047 sec)
```

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

```
MariaDB [perkuliahan]> CREATE TABLE mahasiswa(
-> NIM INTEGER PRIMARY KEY,
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> alamat_mahasiswa VARCHAR(255) NOT NULL
-> );
Query OK, 0 rows affected (0.287 sec)
```

```
MariaDB [perkuliahan]> CREATE TABLE dosen(
-> id_dosen INTEGER PRIMARY KEY,
-> nama_dosen VARCHAR(20) NOT NULL,
-> alamat_dosen VARCHAR(255) NOT NULL,
-> gaji_dosen INTEGER NOT NULL
-> );
Query OK, 0 rows affected (0.534 sec)
```

```
ariaDB [perkuliahan]> CREATE TABLE ruang_kelas(
   -> mata kuliah kode matkul VARCHAR(20) REFERENCES mata kuliah(kode matkul) ON DELETE SET
NULL ON UPDATE CASCADE,
MariaDB [perkuliahan]> CREATE TABLE mata kuliah(
   -> nama matkul VARCHAR(45) NOT NULL
ariaDB [perkuliahan]> CREATE TABLE mahasiswa_has_mata_kuliah(
ON UPDATE CASCADE,
  -> mahasiswa NIM INTEGER REFERENCES mahasiswa(NIM) ON DELETE SET NULL ON UPDATE CASCADE,
   -> mahasiswa NIM INTEGER REFERENCES mahasiswa(NIM) ON DELETE SET NULL ON UPDATE CASCADE,
  -> dosen id dosen INTEGER REFERENCES dosen(id dosen) ON DELETE SET NULL ON UPDATE CASCADE,
 ruang_kelas
ariaDB [perkuliahan]> describe mahasiswa;
```

Field					
kode_matkul dosen_id_dosen nama_matkul	varchar(20) int(11) varchar(45)	NO YES NO	PRI	NULL NULL NULL	

MariaDB [perkuliahan]> describe ruang_kelas;								
	Туре	Null	Key	Default	Extra			
	varchar(20) varchar(20) int(11)	NO YES NO	PRI	NULL NULL NULL				
3 rows in set (0.023 sec)								