NAMA : HADA HIDAYAT

NIM   : L200170102

KELAS : D

```
MariaDB [(none)]> use kampus;
Database changed
MariaDB [kampus]> create table mahasiswa(
    -> NIM int primary key,
    -> nama varchar(45) NOT NULL,
    -> alamat varchar(255)
    -> );
Query OK, 0 rows affected (0.17 sec)

MariaDB [kampus]> create table dosen(
    -> NIP int primary key,
    -> nama varchar(45) NOT NULL,
    -> alamat varchar(255)
    -> );
Query OK, 0 rows affected (0.22 sec)

MariaDB [kampus]> create table mata_kuliah(
    -> kode_mk varchar(10),
    -> nama_mk varchar(30)
    -> );
Query OK, 0 rows affected (0.19 sec)

MariaDB [kampus]> create table ruang_kelas(
    -> kode_ruang varchar(10),
    -> nama_ruang varchar(30)
    -> );
Query OK, 0 rows affected (0.24 sec)

MariaDB [kampus]> 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 '' a
t line 1
MariaDB [kampus]> show tables;
+------------------+
| Tables_in_kampus |
+------------------+
| dosen            |
| mahasiswa        |
| mata_kuliah      |
| ruang_kelas      |
+------------------+
4 rows in set (0.00 sec)
```

1.

Dosen:

```
MariaDB [kampus]> describe dosen;
+--------+--------------+------+-----+---------+-------+
| Field  | Type         | Null | Key | Default | Extra |
+--------+--------------+------+-----+---------+-------+
| NIP    | int(11)      | NO   | PRI | NULL    |       |
| nama   | varchar(45)  | NO   |     | NULL    |       |
| alamat | varchar(255) | YES  |     | NULL    |       |
+--------+--------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

Mahasiswa :

```
MariaDB [kampus]> describe mahasiswa;
+--------+--------------+------+-----+---------+-------+
| Field  | Type         | Null | Key | Default | Extra |
+--------+--------------+------+-----+---------+-------+
| NIM    | int(11)      | NO   | PRI | NULL    |       |
| nama   | varchar(45)  | NO   |     | NULL    |       |
| alamat | varchar(255) | YES  |     | NULL    |       |
+--------+--------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

Mata_kuliah :

```
MariaDB [kampus]> describe mata_kuliah;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| kode_mk | varchar(10) | YES  |     | NULL    |       |
| nama_mk | varchar(30) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
2 rows in set (0.01 sec)
```

Ruang_kelas :

```
MariaDB [kampus]> describe ruang_kelas;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| kode_ruang | varchar(10) | YES  |     | NULL    |       |
| nama_ruang | varchar(30) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.03 sec)
```

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

MariaDB [(none)]> use perpustakaan;
Database changed
MariaDB [perpustakaan]> create table anggota;
ERROR 1113 (42000): A table must have at least 1 column
MariaDB [perpustakaan]> create table anggota(
    -> no_anggota int primary key,
    -> nama varchar(45),
    -> alamat varchar(255),
    -> tgl_lahir varchar(45),
    -> jurusan varchar(45)
    -> );
Query OK, 0 rows affected (0.43 sec)

MariaDB [perpustakaan]> create table pegawai(
    -> no_pegawai int primary key,
    -> nama varchar(45),
    -> alamat varchar(255),
    -> no_tlp int,
    -> jabatan varchar(45)
    -> );
Query OK, 0 rows affected (0.29 sec)

MariaDB [perpustakaan]> create table buku(
    -> no_buku int primary key,
    -> judul varchar(45),
    -> pengarang varchar(45),
    -> thn_terbit int,
    -> penerbit varchar(45)
    -> );
Query OK, 0 rows affected (0.27 sec)

MariaDB [perpustakaan]> create table denda;
ERROR 1113 (42000): A table must have at least 1 column
MariaDB [perpustakaan]> create table denda(
    -> kode_denda int primary key,
    -> tarif_denda varchar(45),
    -> jenis_denda varchar(45)
    -> );
Query OK, 0 rows affected (0.17 sec)

MariaDB [perpustakaan]> show tables;
+------------------------+
| Tables_in_perpustakaan |
+------------------------+
| anggota                |
| buku                   |
| denda                  |
| pegawai                |
+------------------------+
4 rows in set (0.00 sec)
```

2.

Anggota :

```
MariaDB [perpustakaan]> describe anggota;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| no_anggota  | int(11)      | NO   | PRI | NULL    |       |
| nama        | varchar(45)  | YES  |     | NULL    |       |
| alamat      | varchar(255) | YES  |     | NULL    |       |
| tgl_lahir   | varchar(45)  | YES  |     | NULL    |       |
| jurusan     | varchar(45)  | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```

Buku :

```
MariaDB [perpustakaan]> describe buku;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| no_buku     | int(11)      | NO   | PRI | NULL    |       |
| judul       | varchar(45)  | YES  |     | NULL    |       |
| pengarang   | varchar(45)  | YES  |     | NULL    |       |
| thn_terbit  | int(11)      | YES  |     | NULL    |       |
| penerbit    | varchar(45)  | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```

Denda :

```
MariaDB [perpustakaan]> describe denda;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| kode_denda  | int(11)      | NO   | PRI | NULL    |       |
| tarif_denda | varchar(45)  | YES  |     | NULL    |       |
| jenis_denda | varchar(45)  | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

Pegawai :

```
MariaDB [perpustakaan]> describe pegawai;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| no_pegawai  | int(11)      | NO   | PRI | NULL    |       |
| nama        | varchar(45)  | YES  |     | NULL    |       |
| alamat      | varchar(255) | YES  |     | NULL    |       |
| no_tlp      | int(11)      | YES  |     | NULL    |       |
| jabatan     | varchar(45)  | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
5 rows in set (0.07 sec)
```