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## TUGAS

```
C:\Windows\System32\cmd.exe - mysql -u root -t

MariaDB [(none)]> create database universitas;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> use universitas;
Database changed
MariaDB [universitas]> create table mahasiswa(
  -> nim varchar(20) primary key,
  -> nama varchar(45) not null,
  -> alamat varchar(255) not null,
  -> no_telp int not null
  -> );
Query OK, 0 rows affected (0.449 sec)

MariaDB [universitas]> create table dosen(
  -> id_dosen varchar (20) primary key,
  -> nama varchar(45) not null
  -> );
Query OK, 0 rows affected (0.387 sec)

MariaDB [universitas]> create table ruang_kelas(
  -> kode_ruang varchar(20) primary key,
  -> fasilitas varchar(45) not null,
  -> kapasitas int not null
  -> );
Query OK, 0 rows affected (0.439 sec)

MariaDB [universitas]> create table mata_kuliah(
  -> kode varchar(20) primary key,
  -> nama varchar(45) not null
  -> );
Query OK, 0 rows affected (0.469 sec)

MariaDB [universitas]> create table dosen_has_mahasiswa(
  -> id_dosen varchar(20) not null,
  -> nim varchar(20) not null
  -> );
Query OK, 0 rows affected (0.303 sec)

MariaDB [universitas]> create table dosen_has_mata_kuliah9
  -> ;
ERROR 1113 (42000): A table must have at least 1 column
MariaDB [universitas]> create table dosen_has_mata_kuliah(
  -> id_dosen varchar (20) not null.
  -> );
Query OK, 0 rows affected (0.332 sec)

MariaDB [universitas]> create table mahasiswa_has_mata_kuliah(
  -> nim varchar(20)) not null,
  -> kode varchar(20)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 'not null,
kode varchar(20)not null
)' at line 2
MariaDB [universitas]> create table mahasiswa_has_mata_kuliah(
  -> nim varchar(20) not null,,
  -> kode varchar(20)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 '
kode varchar(20)not null
)' at line 2
MariaDB [universitas]> create table mahasiswa_has_mata_kuliah(
  -> nim varchar(20) not null,
  -> kode varchar(20)not null
  -> );
Query OK, 0 rows affected (0.355 sec)

MariaDB [universitas]> show tables;
+-----+
| Tables_in_universitas |
+-----+
| dosen                  |
| dosen_has_mahasiswa    |
| dosen_has_mata_kuliah  |
| mahasiswa              |
| mahasiswa_has_mata_kuliah |
| mata_kuliah            |
| ruang_kelas            |
+-----+
7 rows in set (0.002 sec)

MariaDB [universitas]> desc dosen;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| id_dosen | varchar(20) | NO | PRIMARY |  |  |
| nama | varchar(45) | NO |  |  |  |
+-----+
```

```
C:\Windows\System32\cmd.exe - mysql -u root -t
7 rows in set (0.002 sec)

MariaDB [universitas]> desc dosen;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosen | varchar(20) | NO | PRI | NULL | |
| nama | varchar(45) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.072 sec)

MariaDB [universitas]> desc mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nim | varchar(20) | NO | PRI | NULL | |
| nama | varchar(45) | NO | | NULL | |
| alamat | varchar(255) | NO | | NULL | |
| no_telp | int(11) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.109 sec)

MariaDB [universitas]> desc mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode | varchar(20) | NO | PRI | NULL | |
| nama | varchar(45) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.034 sec)

MariaDB [universitas]> desc ruang_kelas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_ruang | varchar(20) | NO | PRI | NULL | |
| fasilitas | varchar(45) | NO | | NULL | |
| kapasitas | int(11) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.053 sec)

MariaDB [universitas]> desc dosen_has_mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nama | varchar(45) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.034 sec)

MariaDB [universitas]> desc ruang_kelas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_ruang | varchar(20) | NO | PRI | NULL | |
| fasilitas | varchar(45) | NO | | NULL | |
| kapasitas | int(11) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.053 sec)

MariaDB [universitas]> desc dosen_has_mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosen | varchar(20) | NO | | NULL | |
| nim | varchar(20) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.033 sec)

MariaDB [universitas]> desc dosen_has_mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosen | varchar(20) | NO | | NULL | |
| kode | varchar(20) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.069 sec)

MariaDB [universitas]> desc mahasiswa_has_mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nim | varchar(20) | NO | | NULL | |
| kode | varchar(20) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.120 sec)

MariaDB [universitas]>
```