

```

C:\Windows\system32\cmd.exe - mysql - root >
+-----+
| Database |
+-----+
| information_schema |
| mahasiswa |
| mysql |
| perbank |
| performance_schema |
| perkuliahan |
| phpmyadmin |
| test |
+-----+
0 rows in set (0.001 sec)

MariaDB [perkuliahan]> show tables;
+-----+
| Tables_in_perkuliahan |
+-----+
| dosen |
| mahasiswa |
+-----+
2 rows in set (0.000 sec)

MariaDB [perkuliahan]> CREATE TABLE dosen(
  -> id_dosen INTEGER PRIMARY KEY,
  -> nama_dosen VARCHAR(20) NOT NULL,
  -> alamat_dosen VARCHAR(225) NOT NULL,
  -> gaji_dosen INTEGER NOT NULL
  -> );
ERROR 1050 (42501): Table 'dosen' already exists
MariaDB [perkuliahan]> delete TABLE dosen;
ERROR 1054 (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 'TABLE dosen' at line 1
MariaDB [perkuliahan]> DELETE TABLE dosen;
ERROR 1054 (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 'TABLE dosen' at line 1
MariaDB [perkuliahan]> delete from mahasiswa;
Query OK, 0 rows affected (0.465 sec)

MariaDB [perkuliahan]> delete from dosen;
Query OK, 0 rows affected (0.003 sec)

MariaDB [perkuliahan]> show tables;
+-----+
| Tables_in_perkuliahan |
+-----+
| dosen |
| mahasiswa |
+-----+
2 rows in set (0.001 sec)

MariaDB [perkuliahan]> describe dosen;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| nip_dosen | int(11) | NO | PRI | NULL | |
| nama_dosen | varchar(45) | NO | | NULL | |
+-----+
2 rows in set (0.005 sec)

MariaDB [perkuliahan]> describe mahasiswa;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| nim_mahasiswa | int(11) | NO | PRI | NULL | |
| nama_mahasiswa | varchar(45) | NO | | NULL | |
+-----+

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Administrator C:\WINDOWS\system32\cmd.exe - mysql -u root -p
MariaDB [perkuliahan]> describe dosen;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| nip_dosen | int(11) | NO | PRI | NULL | |
| nama_dosen | varchar(45) | NO | | NULL | |
+-----+
2 rows in set (0.005 sec)

MariaDB [perkuliahan]> describe mahasiswa;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| nim_mahasiswa | int(11) | NO | PRI | NULL | |
| nama_mahasiswa | varchar(45) | NO | | NULL | |
+-----+
2 rows in set (0.004 sec)

MariaDB [perkuliahan]> CREATE TABLE ruang_kelas(
-> kode_kelas VARCHAR(20) PRIMARY KEY,
-> kapasitas INTEGER NOT NULL,
-> mata_kuliah_kode_matkul VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE SET NULL 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 ')' at line 5
MariaDB [perkuliahan]> CREATE TABLE ruang_kelas(
-> kode_kelas VARCHAR(20) PRIMARY KEY,
-> kapasitas INTEGER NOT NULL,
-> mata_kuliah_kode_matkul VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE SET NULL ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.545 sec)

MariaDB [perkuliahan]> CREATE TABLE mata_kuliah(
-> kode_matkul VARCHAR(20) PRIMARY KEY,
-> dosen_nip_dosen INTEGER REFERENCES dosen(nip_dosen) ON DELETE SET NULL ON UPDATE CASCADE,
-> nama_matkul VARCHAR(45) NOT NULL
-> );
Query OK, 0 rows affected (0.271 sec)

MariaDB [perkuliahan]> CREATE TABLE mahasiswa_has_mata_kuliah(
-> mata_kuliah_kode_matkul VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE SET NULL ON UPDATE CASCADE,
-> mahasiswa_nim_mahasiswa INTEGER REFERENCES mahasiswa(nim_mahasiswa) ON DELETE SET NULL ON UPDATE CASCADE,
-> PRIMARY KEY(mata_kuliah_kode_matkul, mahasiswa_nim_mahasiswa)
-> );
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 '-kuliah(
mata_kuliah_kode_matkul VARCHAR(20) REFERENCES mata_kuliah(kode_matkul)' at line 1
MariaDB [perkuliahan]> CREATE TABLE mahasiswa_has_mata_kuliah(
-> mata_kuliah_kode_matkul VARCHAR(20) REFERENCES mata_kuliah(kode_matkul) ON DELETE SET NULL ON UPDATE CASCADE,
-> mahasiswa_nim_mahasiswa INTEGER REFERENCES mahasiswa(nim_mahasiswa) ON DELETE SET NULL ON UPDATE CASCADE,
-> PRIMARY KEY(mata_kuliah_kode_matkul, mahasiswa_nim_mahasiswa)
-> );
Query OK, 0 rows affected (0.210 sec)

MariaDB [perkuliahan]> CREATE TABLE mahasiswa_has_dosen(
-> mahasiswa_nim_mahasiswa INTEGER REFERENCES mahasiswa(nim_mahasiswa) ON DELETE SET NULL ON UPDATE CASCADE,
-> dosen_nip_dosen INTEGER REFERENCES dosen(nip_dosen) ON DELETE SET NULL ON UPDATE CASCADE,
-> PRIMARY KEY(mahasiswa_nim_mahasiswa, dosen_nip_dosen)
-> );
Query OK, 0 rows affected (0.518 sec)

MariaDB [perkuliahan]> show tables;
+-----+
| Tables_in_perkuliahan |
+-----+
```

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Administrator C:\WINDOWS\system32\cmd.exe - mysql -u root -p
MariaDB [perkuliahan]> show tables;
+-----+
| Tables_in_perkuliahan |
+-----+
| dosen                  |
| mahasiswa              |
| mahasiswa_has_dosen    |
| mahasiswa_has_mata_kuliah |
| mata_kuliah            |
| ruang_kelas            |
+-----+
0 rows in set (0.001 sec)

MariaDB [perkuliahan]> describe dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nip_dosen  | int(11)   | NO   | PRI | NULL    |       |
| nama_dosen | varchar(45)| NO   |     | NULL    |       |
+-----+
2 rows in set (0.004 sec)

MariaDB [perkuliahan]> describe mahasiswa;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nim_mahasiswa | int(11)   | NO   | PRI | NULL    |       |
| nama_mahasiswa | varchar(45)| NO   |     | NULL    |       |
+-----+
2 rows in set (0.005 sec)

MariaDB [perkuliahan]> describe mahasiswa_has_dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| mahasiswa_nim_mahasiswa | int(11) | NO   | PRI | NULL    |       |
| dosen_nip_dosen        | int(11) | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.006 sec)

MariaDB [perkuliahan]> describe mahasiswa_has_mata_kuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| mata_kuliah_kode_matkul | varchar(20) | NO   | PRI | NULL    |       |
| mahasiswa_nim_mahasiswa | int(11)   | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.007 sec)

MariaDB [perkuliahan]> describe mata_kuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| kode_matkul | varchar(20) | NO   | PRI | NULL    |       |
| dosen_nip_dosen | int(11)   | YES  |     | NULL    |       |
| nama_matkul | varchar(45) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.005 sec)

MariaDB [perkuliahan]> describe ruang_kelas;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| kode_kelas | varchar(20) | NO   | PRI | NULL    |       |
+-----+
1 rows in set (0.004 sec)

Administrator C:\WINDOWS\system32\cmd.exe - mysql -u root -p
MariaDB [perkuliahan]> describe dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nip_dosen  | int(11)   | NO   | PRI | NULL    |       |
| nama_dosen | varchar(45)| NO   |     | NULL    |       |
+-----+
2 rows in set (0.004 sec)

MariaDB [perkuliahan]> describe mahasiswa;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nim_mahasiswa | int(11)   | NO   | PRI | NULL    |       |
| nama_mahasiswa | varchar(45)| NO   |     | NULL    |       |
+-----+
2 rows in set (0.005 sec)

MariaDB [perkuliahan]> describe mahasiswa_has_dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| mahasiswa_nim_mahasiswa | int(11) | NO   | PRI | NULL    |       |
| dosen_nip_dosen        | int(11) | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.006 sec)

MariaDB [perkuliahan]> describe mahasiswa_has_mata_kuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| mata_kuliah_kode_matkul | varchar(20) | NO   | PRI | NULL    |       |
| mahasiswa_nim_mahasiswa | int(11)   | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.007 sec)

MariaDB [perkuliahan]> describe mata_kuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| kode_matkul | varchar(20) | NO   | PRI | NULL    |       |
| dosen_nip_dosen | int(11)   | YES  |     | NULL    |       |
| nama_matkul | varchar(45) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.005 sec)

MariaDB [perkuliahan]> describe ruang_kelas;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| kode_kelas | varchar(20) | NO   | PRI | NULL    |       |
| kapasitas | int(11)   | NO   |     | NULL    |       |
| mata_kuliah_kode_matkul | varchar(20) | YES  |     | NULL    |       |
+-----+
3 rows in set (0.009 sec)

MariaDB [perkuliahan]>
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