

Nama : Afrizal Eka Putra

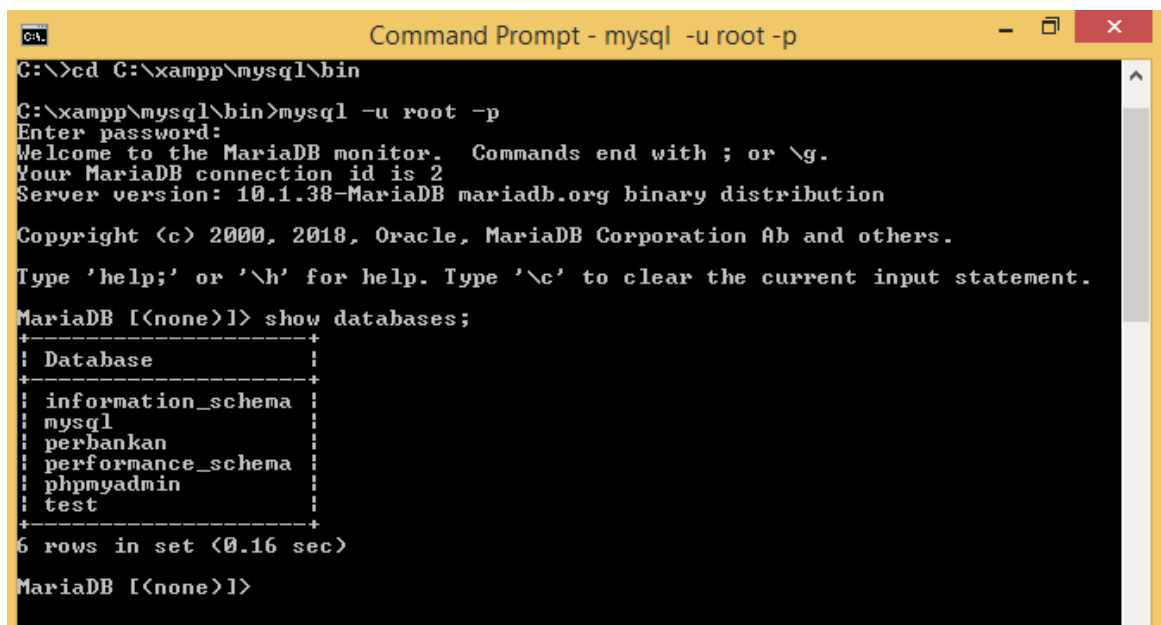
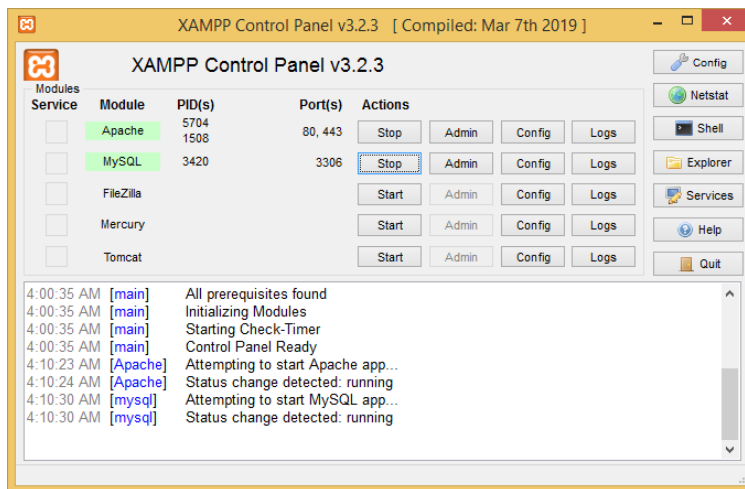
NIM : L200180075

Kelas : C

PRAKTIKUM SISTEM BASIS DATA

MODUL 4

Tugas



```
Command Prompt - mysql -u root -p

+-----+
6 rows in set (0.16 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.05 sec)

MariaDB [(none)]> use kuliah;
Database changed
MariaDB [kuliah]> _
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```
awiaDB E(none)J? use kuliah;
atabase changed
awiaDB EkuliahJ? cweate table mahasiswa(
  -> id_ni s I NIEGER PRIMARV XE,V
  -> 7 nama_ruhs U EIfICHRR 45 3 NOI NULL
  -> 7 a 1amat_rnhs UIF RCHfIR € 2his 3 NOT NULL
  -> at 1_rhs UaRCHfIR € IBM HOI HURL

uez*y 0lt, B z*ows aFI- ec ted f€l. 28 sec 7
```

```
Command Prompt - mysql -u root -p

-> >;
Query OK, 0 rows affected (0.28 sec)

MariaDB [kuliah]> create table dosen(
  -> id_dosen INTEGER PRIMARY KEY,
  -> nama_dosen VARCHAR(45) NOT NULL,
  -> alamat_dosen VARCHAR(255) NOT NULL,
  -> ttl_dosen VARCHAR(50) NOT NULL,
  -> jenis_kelamin_dosen VARCHAR(30) NOT NULL
  -> >;
Query OK, 0 rows affected (0.74 sec)
```

```
Command Prompt - mysql -u root -p

-> >;
Query OK, 0 rows affected (0.74 sec)

MariaDB [kuliah]> create table mata_kuliah(
  -> kode_mataKuliah INTEGER PRIMARY KEY,
  -> nama_mataKuliah VARCHAR(100) NOT NULL
  -> >;
Query OK, 0 rows affected (0.28 sec)
```

```
Command Prompt - mysql -u root -p

-> >;
Query OK, 0 rows affected (0.28 sec)

MariaDB [kuliah]> create table ruang_kelas(
  -> kode_ruangKelas INTEGER PRIMARY KEY,
  -> kapasitas_ruangKelas INTEGER NOT NULL
  -> >;
Query OK, 0 rows affected (0.30 sec)

MariaDB [kuliah]>
```

```
Command Prompt - mysql -u root -p

MariaDB [kuliah]> create table mahasiswa_has_dosen(
  -> id_mhsFK INTEGER REFERENCES mahasiswa(id_mhs)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> id_dosenFK INTEGER REFERENCES dosen(id_dosen)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> PRIMARY KEY(id_mhsFK, id_dosenFK)
  -> >;
Query OK, 0 rows affected (0.29 sec)
```

```
Command Prompt - mysql -u root -p

-> >;
Query OK, 0 rows affected (0.45 sec)

MariaDB [kuliah]> create table mahasiswa_has_mata_kuliah(
-> id_mhsFK INTEGER REFERENCES mahasiswa(id_mhs)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_mataKuliahFK INTEGER REFERENCES mata_kuliah(kode_mataKuliah)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(id_mhsFK, kode_mataKuliahFK)
-> );
Query OK, 0 rows affected (0.35 sec)
```

```
Command Prompt - mysql -u root -p

-> >;
Query OK, 0 rows affected (0.29 sec)

MariaDB [kuliah]> create table dosen_has_mata_kuliah(
-> id_dosenFK INTEGER REFERENCES dosen(id_dosen)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_mataKuliahFK INTEGER REFERENCES mata_kuliah(kode_mataKuliah)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(id_dosenFK, kode_mataKuliahFK)
-> );
Query OK, 0 rows affected (0.26 sec)
```

```
Command Prompt - mysql -u root -p

7 rows in set (0.34 sec)

MariaDB [kuliah]> create table mata_kuliah_has_ruang_kelas(
-> kode_mataKuliahFK INTEGER REFERENCES mata_kuliah(kode_mataKuliah)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_ruangKelasFK INTEGER REFERENCES ruang_kelas(kode_ruangKelas)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(kode_mataKuliahFK, kode_ruangKelasFK)
-> );
Query OK, 0 rows affected (0.35 sec)
```

```
Command Prompt - mysql -u root -p

Query OK, 0 rows affected (0.35 sec)

MariaDB [kuliah]> create table dosen_has_ruang_kelas(
-> id_dosenFK INTEGER REFERENCES dosen(id_dosen)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_ruangKelasFK INTEGER REFERENCES ruang_kelas(kode_ruangKelas)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(id_dosenFK, kode_ruangKelasFK)
-> );
Query OK, 0 rows affected (0.54 sec)
```

```
Command Prompt - mysql -u root -p

Query OK, 0 rows affected (0.54 sec)

MariaDB [kuliah]> show tables;
+-----+
| Tables_in_kuliah |
+-----+
| dosen             |
| dosen_has_mata_kuliah |
| dosen_has_ruang_kelas |
| mahasiswa         |
| mahasiswa_has_dosen |
| mahasiswa_has_mata_kuliah |
| mata_kuliah       |
| mata_kuliah_has_ruang_kelas |
| ruang_kelas       |
+-----+
9 rows in set (0.00 sec)

MariaDB [kuliah]>
```

```
Command Prompt - mysql -u root -p

MariaDB [kuliah]> describe dosen;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosen | int(11) | NO | PRI | NULL | |
| nama_dosen | varchar(45) | NO | | NULL | |
| alamat_dosen | varchar(255) | NO | | NULL | |
| ttl_dosen | varchar(50) | NO | | NULL | |
| jenis_kelamin_dosen | varchar(30) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.35 sec)

MariaDB [kuliah]> describe mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_mhs | int(11) | NO | PRI | NULL | |
| nama_mhs | varchar(45) | NO | | NULL | |
| alamat_mhs | varchar(255) | NO | | NULL | |
| ttl_mhs | varchar(50) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)

MariaDB [kuliah]> describe mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_mataKuliah | int(11) | NO | PRI | NULL | |
| nama_mataKuliah | varchar(100) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.03 sec)

MariaDB [kuliah]> describe ruang_kelas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_ruangKelas | int(11) | NO | PRI | NULL | |
| kapasitas_ruangKelas | int(11) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.07 sec)

MariaDB [kuliah]> _
```

```
MariaDB [kuliah]> describe dosen_has_mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosenFK | int(11) | NO | PRI | NULL | |
| kode_mataKuliahFK | int(11) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.39 sec)

MariaDB [kuliah]> describe dosen_has_ruang_kelas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosenFK | int(11) | NO | PRI | NULL | |
| kode_ruangKelasFK | int(11) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

MariaDB [kuliah]> describe mahasiswa_has_dosen;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_mhsFK | int(11) | NO | PRI | NULL | |
| id_dosenFK | int(11) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.03 sec)

MariaDB [kuliah]> describe mahasiswa_mata_kuliah;
ERROR 1146 (42S02): Table 'kuliah.mahasiswa_mata_kuliah' doesn't exist
MariaDB [kuliah]> describe mahasiswa_has_mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_mhsFK | int(11) | NO | PRI | NULL | |
| kode_mataKuliahFK | int(11) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.06 sec)

MariaDB [kuliah]> describe mata_kuliah_has_ruang_kelas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_mataKuliahFK | int(11) | NO | PRI | NULL | |
| kode_ruangKelasFK | int(11) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

MariaDB [kuliah]> _
```