

Nama : Oscar Satria Utama

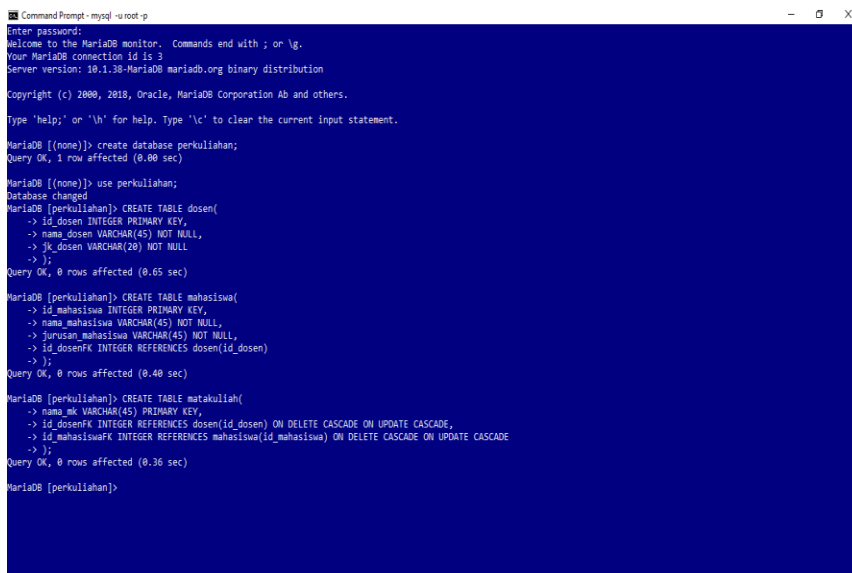
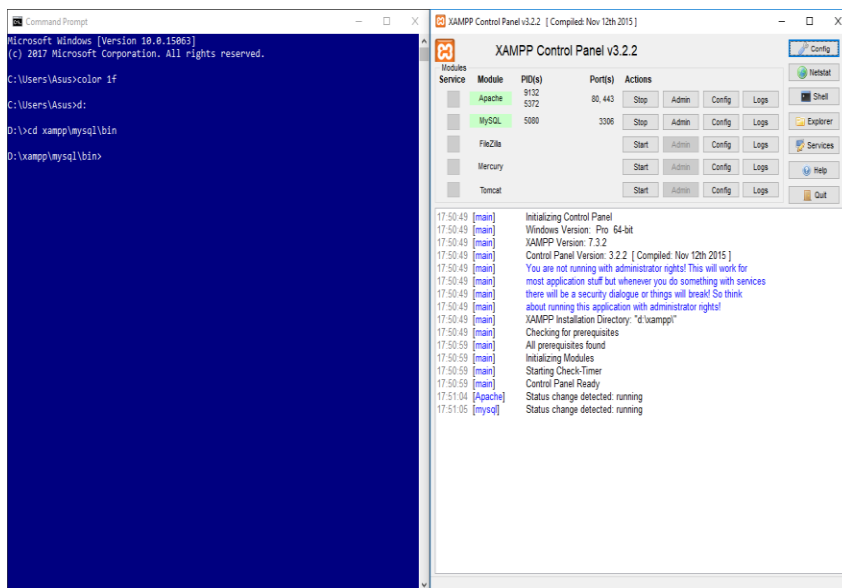
NIM : L200180001

Kelas : A

Modul 4

Tugas

Membuat database perkuliahan



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Command Prompt - mysql -u root -p
-> nama_dosen VARCHAR(45) NOT NULL,
-> jk_dosen VARCHAR(20) NOT NULL
-> );
Query OK, 0 rows affected (0.05 sec)

MariaDB [perkuliahan]> CREATE TABLE mahasiswa(
-> id_mahasiswa INTEGER PRIMARY KEY,
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> jurusan_mahasiswa VARCHAR(45) NOT NULL,
-> id_dosenFK INTEGER REFERENCES dosen(id_dosen)
-> );
Query OK, 0 rows affected (0.40 sec)

MariaDB [perkuliahan]> CREATE TABLE matakuliah(
-> nama_mk VARCHAR(45) PRIMARY KEY,
-> id_dosenFK INTEGER REFERENCES dosen(id_dosen) ON DELETE CASCADE ON UPDATE CASCADE,
-> id_mahasiswaFK INTEGER REFERENCES mahasiswa(id_mahasiswa) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.36 sec)

MariaDB [perkuliahan]> CREATE TABLE kelas(
-> kelasnya VARCHAR(45) PRIMARY KEY,
-> nama_mkFK VARCHAR(45) REFERENCES matakuliah(nama_mk) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.41 sec)

MariaDB [perkuliahan]>

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Command Prompt - mysql -u root -p
-> id_dosenFK INTEGER REFERENCES dosen(id_dosen) ON DELETE CASCADE ON UPDATE CASCADE,
-> id_mahasiswaFK INTEGER REFERENCES mahasiswa(id_mahasiswa) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.36 sec)

MariaDB [perkuliahan]> CREATE TABLE kelas(
-> kelasnya VARCHAR(45) PRIMARY KEY,
-> nama_mkFK VARCHAR(45) REFERENCES matakuliah(nama_mk) ON DELETE CASCADE ON UPDATE CASCADE
-> );
Query OK, 0 rows affected (0.41 sec)

MariaDB [perkuliahan]> show tables;
+-----+
| Tables_in_perkuliahan |
+-----+
| dosen                  |
| kelas                  |
| mahasiswa              |
| matakuliah             |
+-----+
4 rows in set (0.15 sec)

MariaDB [perkuliahan]> desc dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| id_dosen   | int(11)   | NO   | PRI | NULL    |       |
| nama_dosen | varchar(45) | NO   |     | NULL    |       |
| jk_dosen   | varchar(20) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.11 sec)

MariaDB [perkuliahan]>

```

```
4 rows in set (0.15 sec)

MariaDB [perkuliahan]> desc dosen;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosen | int(11) | NO | PRI | NULL | |
| nama_dosen | varchar(45) | NO | | NULL | |
| jk_dosen | varchar(20) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.11 sec)

MariaDB [perkuliahan]> desc mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_mahasiswa | int(11) | NO | PRI | NULL | |
| nama_mahasiswa | varchar(45) | NO | | NULL | |
| jurusan_mahasiswa | varchar(45) | NO | | NULL | |
| id_dosenFK | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)

MariaDB [perkuliahan]> desc kelas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kelasnya | varchar(45) | NO | PRI | NULL | |
| nama_mkFK | varchar(45) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.04 sec)

MariaDB [perkuliahan]> desc matakuliah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nama_mk | varchar(45) | NO | PRI | NULL | |
| id_dosenFK | int(11) | YES | | NULL | |
| id_mahasiswaFK | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.14 sec)

MariaDB [perkuliahan]>
```