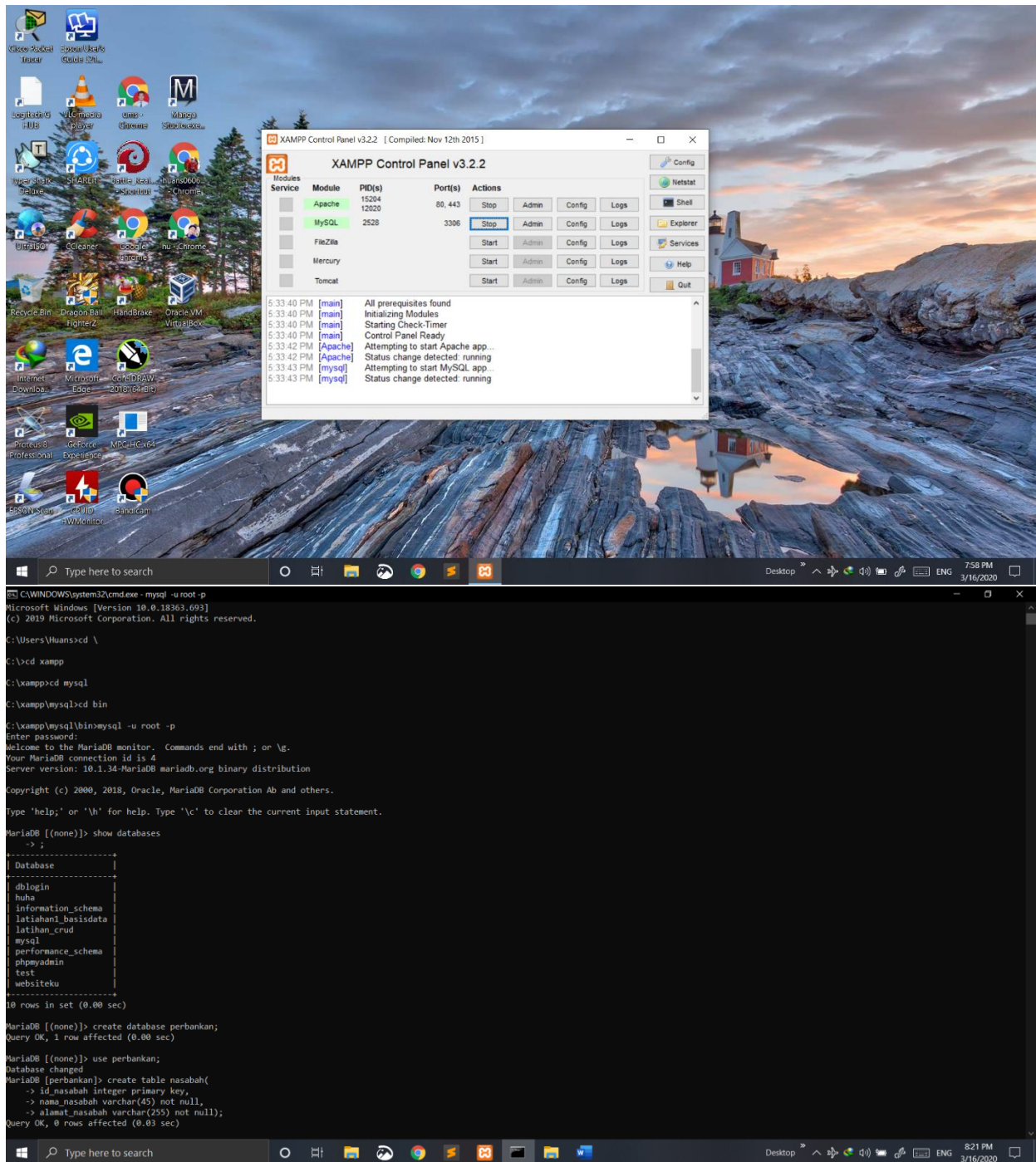


Kelas : D

LANGKAH-LANGKAH PRAKTIKUM



```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Query OK, 0 rows affected (0.03 sec)

MariaDB [perbankan]> create table cabang_bank(
  -> kode_cabang varchar(20) primary key,
  -> nama_cabang varchar(45) unique key,
  -> alamat_cabang varchar(255) not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [perbankan]> create table rekening(
  -> no_rekening integer primary key,
  -> kode_cabangFK varchar(20) references cabang_bank(kode_cabang)
  -> on delete cascade on update cascade,
  -> pin varchar(20) default '1234' not null,
  -> saldo integer default 0 not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [perbankan]> create table transaksi(
  -> no_transaksi serial primary key,
  -> id_nasabahFK integer references nasabah(id_nasabah)
  -> on delete set null on update cascade,
  -> no_rekeningFK integer references rekening(no_rekening)
  -> on delete set null on update cascade,
  -> jenis_transaksi varchar(20) default 'debit' not null,
  -> tanggal datetime not null default current_timestamp,
  -> jumlah integer not null check(jumlah>=20000));
Query OK, 0 rows affected (0.04 sec)

MariaDB [perbankan]> create table nasabah_has_rekening(
  -> id_nasabahFK integer references nasabah(id_nasabah)
  -> on delete cascade on update cascade,
  -> no_rekeningFK integer references rekening(no_rekening)
  -> on delete cascade on update cascade,
  -> primary key(id_nasabahFK, no_rekeningFK));
Query OK, 0 rows affected (0.03 sec)

MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.00 sec)

MariaDB [perbankan]> describe nasabah;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| id_nasabah | int(11) | NO | PRI | NULL | |
| nama_nasabah | varchar(45) | NO | | NULL | |
| alamat_nasabah | varchar(255) | NO | | NULL | |
+-----+
3 rows in set (0.02 sec)

MariaDB [perbankan]>
```

TUGAS

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
3 rows in set (0.02 sec)

MariaDB [perbankan]> create database kuliah;
Query OK, 1 row affected (0.00 sec)

MariaDB [perbankan]> use kuliah;
Database changed
MariaDB [kuliah]> create table mahasiswa(nama_mahasiswa varchar(45) not null,
-> nim_mahasiswa varchar(45) not null,
-> alamat_mahasiswa varchar(255) not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [kuliah]> drop table mahasiswa;
Query OK, 0 rows affected (0.02 sec)

MariaDB [kuliah]> create table mahasiswa(nama_mahasiswa varchar(45) not null,
-> nim_mahasiswa varchar(45) not null,
-> alamat_mahasiswa varchar(255) not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [kuliah]> create table dosen(nama_dosen varchar(45) not null,
-> nip_dosen varchar(45) primary key,
-> alamat_dosen varchar(255) not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [kuliah]> create table matakuliah(nama_matakuliah varchar(45) not null,
-> kode_matakuliah varchar(45) primary key,
-> dosen_pengampu varchar(255) not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [kuliah]> create table matakuliah(lantai_ruangkuliah char(1) not null,
-> kode_ruangkelas varchar(45) primary key,
-> dayatampung_ruangkelas varchar(255) not null);
ERROR 1050 (42S01): Table 'matakuliah' already exists
MariaDB [kuliah]> create table ruangkuliah(lantai_ruangkuliah char(1) not null,
-> kode_ruangkelas varchar(45) primary key,
-> dayatampung_ruangkelas varchar(255) not null);
Query OK, 0 rows affected (0.03 sec)

MariaDB [kuliah]> create table mahasiswa_has_matakuliah(nim_mahasiswaFK varchar(45) references mahasiswa(nim_mahasiswa)
-> on delete cascade on update cascade,
-> kode_matakuliahFK varchar(45) references matakuliah(kode_matakuliah)
-> on delete cascade on update cascade,
-> primary key(nim_mahasiswaFK, kode_matakuliahFK));
Query OK, 0 rows affected (0.04 sec)

MariaDB [kuliah]> show tables
-> ;
+-----+
| Tables_in_kuliah |
+-----+
| dosen            |
| mahasiswa        |
| mahasiswa_has_matakuliah |
| matakuliah       |
| ruangkuliah      |
+-----+
5 rows in set (0.00 sec)

MariaDB [kuliah]> describe dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_dosen | varchar(45) | NO   |     | NULL    |       |
| nip_dosen  | varchar(45) | NO   | PRI | NULL    |       |
| alamat_dosen | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe mahasiswa;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_mahasiswa | varchar(45) | NO   |     | NULL    |       |
| nim_mahasiswa  | varchar(45) | NO   | PRI | NULL    |       |
| alamat_mahasiswa | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe matakuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_matakuliah | varchar(45) | NO   |     | NULL    |       |
| kode_matakuliah | varchar(45) | NO   | PRI | NULL    |       |
| dosen_pengampu  | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe ruangkuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| lantai_ruangkuliah | char(1) | NO   |     | NULL    |       |
| kode_ruangkelas    | varchar(45) | NO   | PRI | NULL    |       |
| dayatampung_ruangkelas | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Query OK, 0 rows affected (0.04 sec)

MariaDB [kuliah]> show tables
-> ;
+-----+
| Tables_in_kuliah |
+-----+
| dosen            |
| mahasiswa        |
| mahasiswa_has_matakuliah |
| matakuliah       |
| ruangkuliah      |
+-----+
5 rows in set (0.00 sec)

MariaDB [kuliah]> describe dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_dosen | varchar(45) | NO   |     | NULL    |       |
| nip_dosen  | varchar(45) | NO   | PRI | NULL    |       |
| alamat_dosen | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe mahasiswa;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_mahasiswa | varchar(45) | NO   |     | NULL    |       |
| nim_mahasiswa  | varchar(45) | NO   | PRI | NULL    |       |
| alamat_mahasiswa | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe matakuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_matakuliah | varchar(45) | NO   |     | NULL    |       |
| kode_matakuliah | varchar(45) | NO   | PRI | NULL    |       |
| dosen_pengampu  | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe ruangkuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| lantai_ruangkuliah | char(1) | NO   |     | NULL    |       |
| kode_ruangkelas    | varchar(45) | NO   | PRI | NULL    |       |
| dayatampung_ruangkelas | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe ruangkuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| lantai_ruangkuliah | char(1) | NO   |     | NULL    |       |
| kode_ruangkelas    | varchar(45) | NO   | PRI | NULL    |       |
| dayatampung_ruangkelas | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

MariaDB [kuliah]> describe mahasiswa_has_matakuliah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nim_mahasiswaFK | varchar(45) | NO   | PRI | NULL    |       |
| kode_matakuliahFK | varchar(45) | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.02 sec)

MariaDB [kuliah]>
```