Muh. Amri Huda
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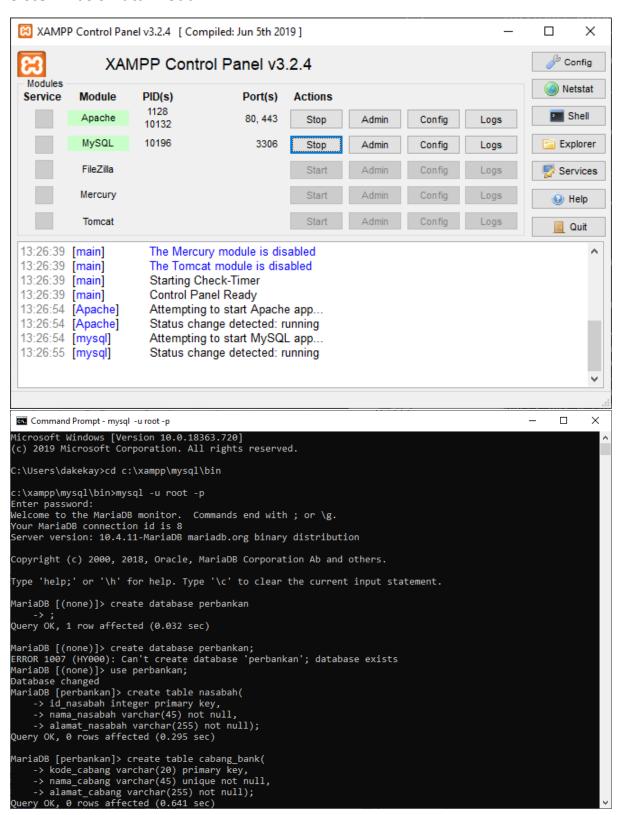# Sistem Basis Data Modul 4

```
Command Prompt - mysql -u root -p                                    —   □   ×

MariaDB [perbankan]> create table nasabah(
    -> id_nasabah integer primary key,
    -> nama_nasabah varchar(45) not null,
    -> alamat_nasabah varchar(255) not null);
Query OK, 0 rows affected (0.295 sec)

MariaDB [perbankan]> create table cabang_bank(
    -> kode_cabang varchar(20) primary key,
    -> nama_cabang varchar(45) unique not null,
    -> alamat_cabang varchar(255) not null);
Query OK, 0 rows affected (0.641 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 (0.291 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 (0.335 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 (0.286 sec)
```

```
Command Prompt - mysql -u root -p                                    —   □   ×

    -> 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 (0.335 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 (0.286 sec)

MariaDB [perbankan]> show tables;
+----------------------+
| Tables_in_perbankan  |
+----------------------+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+----------------------+
5 rows in set (0.002 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 (0.065 sec)

MariaDB [perbankan]>
```

Tugas

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p                                    —  □  ×

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database perkuliahan;
Query OK, 1 row affected (0.005 sec)

MariaDB [(none)]> use perkuliahan;
Database changed
MariaDB [perkuliahan]> create table mahasiswa(
    -> id_mhs integer primary key,
    -> nama_mhs varchar(45) not null,
    -> alamat_mhs varchar(255) not null);
Query OK, 0 rows affected (0.321 sec)

MariaDB [perkuliahan]> create table dosen(
    -> id_dosen integer primary key,
    -> nama_dosen varchar(45) not null,
    -> alamat_dosen varchar(255) not null);
Query OK, 0 rows affected (0.386 sec)

MariaDB [perkuliahan]> create table matkul(
    -> id_matkul integer primary key,
    -> nama_matkul varchar(45) not null);
Query OK, 0 rows affected (0.320 sec)

MariaDB [perkuliahan]> create table ruang_kelas(
    -> id_kelas integer primary key,
    -> nama_kelas varchar(10) not null);
Query OK, 0 rows affected (0.529 sec)
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p                                    —  □  ×
MariaDB [perkuliahan]> show tables;
+----------------------+
| Tables_in_perkuliahan |
+----------------------+
| dosen                |
| mahasiswa            |
| matkul               |
| ruang_kelas          |
+----------------------+
4 rows in set (0.001 sec)

MariaDB [perkuliahan]> 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    |       |
+--------------+--------------+------+-----+---------+-------+
3 rows in set (0.052 sec)

MariaDB [perkuliahan]> 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    |       |
+------------+--------------+------+-----+---------+-------+
3 rows in set (0.092 sec)

MariaDB [perkuliahan]> _
```