

NAMA : Ahmad Fikri Alqhozali

NIM : L20180166

MODUL 4

1. Membuat database perbankan;

```
Administrator: Command Prompt - mysql -u root -p
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
Database changed
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
  -> );
Query OK, 0 rows affected (0.176 sec)

MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank         |
| nasabah             |
| nasabah_has_rekening |
| rekening            |
| transaksi           |
+-----+
5 rows in set (0.001 sec)
```

2. Create table nasabah;

```
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(45)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.076 sec)
```

3. Create table cabang_bank;

```
MariaDB [perbankan]> describe cabang_bank;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_cabang    | varchar(20)   | NO   | PRI | NULL    |       |
| nama_cabang    | varchar(45)   | NO   | UNI | NULL    |       |
| alamat_cabang  | varchar(255)  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.127 sec)
```

4. Create table rekening;

```
MariaDB [perbankan]> describe rekening;
```

Field	Type	Null	Key	Default	Extra
no_rekening	int(11)	NO	PRI	NULL	
kode_cabangFK	varchar(20)	YES		NULL	
pin	varchar(20)	NO		1234	
saldo	int(11)	NO		0	

5. Create table transaksi;

```
MariaDB [perbankan]> describe transaksi;
```

Field	Type	Null	Key	Default	Extra
no_transaksi	bigint(20) unsigned	NO	PRI	NULL	auto_increment
id_nasabahFK	int(11)	YES		NULL	
jenis_transaksi	varchar(20)	NO		debit	
tanggal	datetime	NO		current_timestamp()	
jumlah	int(11)	NO		NULL	

5 rows in set (0.090 sec)

6. Create table nasabah_has_rekening;

```
MariaDB [perbankan]> describe nasabah_has_rekening;
```

Field	Type	Null	Key	Default	Extra
id_nasabahFK	int(11)	YES		NULL	
no_rekeningFK	int(11)	YES		NULL	

2 rows in set (0.036 sec)

TUGAS MODUL 4

Membuat database kuliah

```
MariaDB [kuliah]> show tables;
+-----+
| Tables_in_kuliah |
+-----+
| dosen             |
| mahasiswa         |
| mahasiswa_has_matakuliah |
| mata_kuliah       |
| mata_kuliah_has_dosen |
| ruang_kelas       |
+-----+
6 rows in set (0.001 sec)
```

1. Create table mahasiswa

```
MariaDB [kuliah]> describe mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nim_mhs    | int(11)   | NO   | PRI | NULL    |       |
| nama_mhs   | varchar(45) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.039 sec)
```

2. Create table dosen

```
MariaDB [kuliah]> describe dosen;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nip_dosen  | int(11)   | NO   | PRI | NULL    |       |
| nim_mhsFK  | int(11)   | YES  |     | NULL    |       |
| nama_dosen | varchar(45) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.173 sec)
```

3. Create table matakuliah

```
MariaDB [kuliah]> describe mata_kuliah;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_mk    | int(11)   | NO   | PRI | NULL    |       |
| kode_ruang_kelas | int(11)   | YES  |     | NULL    |       |
| nama_mk    | varchar(45) | YES  |     | NULL    |       |
| jml_sks    | int(11)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.125 sec)
```

4. Create table ruang kelas

```
MariaDB [kuliah]> describe ruang_kelas;
+-----+-----+-----+-----+-----+-----+
| Field      | Type    | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_ruang | int(11) | NO   | PRI | NULL    |       |
| kode_mkFK  | int(11) | YES  |     | NULL    |       |
| daya_tampung | int(11) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.075 sec)
```

5. Create table mahasiswa has mata kuliah

```
MariaDB [kuliah]> describe mahasiswa_has_matakuliah;
+-----+-----+-----+-----+-----+-----+
| Field      | Type    | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nim_mhsFK  | int(11) | NO   | PRI | NULL    |       |
| kode_mkFK  | int(11) | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.082 sec)
```

6. Create table mata kuliah has dosen

```
MariaDB [kuliah]> describe mata_kuliah_has_dosen;
+-----+-----+-----+-----+-----+-----+
| Field      | Type    | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_mkFK  | int(11) | NO   | PRI | NULL    |       |
| nip_dosenFK | int(11) | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.071 sec)
```