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#### Praktikum Sistem Basis Data

#### MODUL 4

# Kegiatan

1. Membuat database perbankan

```
Microsoft Windows [Version 10.0.18362.720]
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C:\Users\ACER>cd..

C:\Users\ACER>cd..

C:\\xiomp\mysql\bin>mysql root -u
mysql: option '-u' requires an argument

C:\xampp\mysql\bin>mysql -u root
Melcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 26
Server version: 10.1.37-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database perbankan;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> __
```

2. Database change

```
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ACER>cd..

C:\Users\cd..

C:\\cd xampp\mysql\bin>mysql root -u
mysql: option '-u' requires an argument

C:\xampp\mysql\bin>mysql - u root
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 26
Server version: 10.1.37-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database perbankan;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]>
```

#### 3. Membuat tabel nasabah

### 4. Membuat tabel cabang bank

```
EXICOMMand Prompt-mysql-uroot — — — X

MariaDB [(none)]> create database perbankan;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use perbankan;
Database changed

MariaDB [perbankan]> create table nasabah(
-> id_nasabah INTEGER PRIMARY KEY,
-> nama_nasabah VARCHAR(25) NOT NULL,
-> alamat_nasabah VARCHAR(25) NOT NULL,
-> alamat_nasabah VARCHAR(25) NOT NULL,
-> i,
Query OK, 0 rows affected (0.02 sec)

MariaDB [perbankan]> create tabel cabang_bank(
-> kode_cabang VARCHAR(20) PRIMARY KEY,
-> nama_cabang VARCHAR(25) NOT NULL,
-> alamat_cabang VARCHAR(25) NOT NULL,
-> alamat_cabang VARCHAR(25) NOT NULL,
-> i);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server versi on for the right syntax to use near 'tabel cabang_bank(
kode_cabang VARCHAR(20) PRIMARY KEY,
nama_cabang VARCHAR(25) TRIMARY KEY,
-> nama_cabang VARCHAR(26) PRIMARY KEY,
-> nama_cabang VARCHAR(25) UNIQUE NOT NULL,
-> i;
NariaDB [perbankan]> create table cabang_bank(
-> kode_cabang VARCHAR(25) UNIQUE NOT NULL,
-> alamat_cabang VARCHAR(25) UNIQUE NOT NULL,
-> alamatang VARCHAR(25) UNIQUE NOT NULL,
-
```

5. Membuat tabel rekening

### 6. Membuat tabel transaksi

7. Membuat tabel nasabah\_has\_rekening

```
Command Prompt-mysql -u root

- kode_cabangFK VARCHAR(20) REFERENCES cabang_bank(kode_cabang)

-> kode_cabangFK VARCHAR(20) REFERENCES cabang_bank(kode_cabang)

-> pin VARCHAR(20) DEFAULT '1234' NOT NULL,

-> saldo INTEGER DEFAULT 0 NOT NULL

-> );

Query OK, 0 rows affected (0.02 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 DEFAULT CURRENT_TIMESTAMP,

-> jumlah INTEGER NOT NULL CHECK(jumlah>=20000)

-> ON DELETE CASCADE (0.05 sec)

MariaDB [perbankan]> create table nasabah_has_rekening(

-> id_nasabahFK INTEGER REFERENCES rekening(no_rekening)

-> NO DELETE CASCADE ON UPDATE CASCADE,

-> no_rekeningFK INTEGER REFERENCES rekening(no_rekening)

-> 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 (0.02 sec)

MariaDB [perbankan]> _
```

## 8. Mengeceh hasil database

9. Melihat struktur tiap tabel

