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# LAPORAN PRAKTIKUM SISTEM BASIS DATA

Kegiatan Modul 4

```
C:\xampp\mysql>cd bin

C:\xampp\mysql\bin>mysql -u root -t
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.6-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)]>
MariaDB [(none)]> create database perbankan;
Query OK, 1 row affected (0.009 sec)

MariaDB [(none)]> use database perbankan;
ERROR 1049 (42000): Unknown database 'database'
MariaDB [(none)]> use  perbankan;
Database changed
MariaDB [perbankan]> create table nasabah(id_nasabah integer primary key, nama_nasabah varchar(45) not null, alamat_nasabah varchar(45) not null, alamat_nasabah varchar(
ERROR 1060 (42S21): Duplicate column name 'alamat_nasabah'
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 (0.029 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 (0.040 sec)

MariaDB [perbankan]> create table rekening(no_rekening integer primary key, kode_cabangFK varchar(20) reference cabang_bank(kode_cabang) on delete cascade on update casc
ll, saldo integer default 0 not null);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'cabang_bank(
ascade, pin varchar(20) de' at line 1
MariaDB [perbankan]> create table rekening(no_rekening integer primary key, kode_cabang FK varchar(20) reference cabang_bank(kode_cabang) on delete cascade on update cas
ull, saldo integer default 0 not null);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'FK varchar(2
elete cascade on update ca' at line 1
MariaDB [perbankan]> create table rekening(no_rekening integer primary key, kode_cabangFK varchar(20) reference cabang_bank(kode_cabang) on delete cascade on update casc
ll, saldo integer default 0 not null);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'cabang_bank(
ascade, pin varchar(20) de' at line 1
```

```
MariaDB [perbankan]> show tables;
+----------------------+
| Tables_in_perbankan  |
+----------------------+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+----------------------+
5 rows in set (0.010 sec)

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 (0.025 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 (0.022 sec)

MariaDB [perbankan]> describe nasabah_has_rekening
    -> ;
+--------------+---------+------+-----+---------+-------+
| Field        | Type    | Null | Key | Default | Extra |
+--------------+---------+------+-----+---------+-------+
| id_nasabahFK | int(11) | NO   | PRI | NULL    |       |
| no_rekeningFK| int(11) | NO   | PRI | NULL    |       |
+--------------+---------+------+-----+---------+-------+
2 rows in set (0.020 sec)

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    |       |
```

```
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       |       |
+--------------+-------------+------+-----+---------+-------+
4 rows in set (0.031 sec)

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                |                |
| no_rekeningFK   | int(11)          | YES  |     | NULL                |                |
| jenis_transaksi | varchar(20)      | NO   |     | debit               |                |
| tanggal         | datetime         | NO   |     | current_timestamp() |                |
| jumlah          | int(11)          | NO   |     | NULL                |                |
+-----------------+------------------+------+-----+---------------------+----------------+
6 rows in set (0.024 sec)

MariaDB [perbankan]>
```