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## Laporan Praktikum SBD Modul 4

### Kegiatan Modul 4

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Command Prompt - mysql -u root -p

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

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.11-MariaDB mariadb.org binary distribution

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

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| nasabah             |
+-----+
1 row in set (0.001 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 (0.008 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 (0.007 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 (0.007 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 (0.007 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 (0.007 sec)

MariaDB [perbankan]> show tables;
```

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah             |
| nasabah_has_rekening |
| rekening            |
| transaksi            |
+-----+
5 rows in set (0.001 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 (0.006 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 (0.006 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 (0.006 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    |       |
| saldo       | int(11)   | NO   |     | 0        |       |
+-----+
4 rows in set (0.006 sec)
```

```
Command Prompt - mysql -u root -p
+-----+
| nama_cabang | varchar(45) | NO | UNI | NULL | | |
| alamat_cabang | varchar(255) | NO | | NULL | | |
+-----+
3 rows in set (0.006 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 (0.006 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 (0.006 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 | |
| saldo | int(11) | NO | | 0 | |
+-----+
4 rows in set (0.006 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 (0.005 sec)

MariaDB [perbankan]>
```