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LATIHAN MODUL 4

DATA DEFINITION LANGUAGE (DDL)

```
C:\Windows\system32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 10.0.15063]
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C:\Users\lenovo>cd\

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 26
Server version: 10.4.11-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 perbankanIsmi;
Query OK, 1 row affected (0.002 sec)


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


MariaDB [perbankanIsmi]> 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 (0.284 sec)

MariaDB [perbankanIsmi]>


MariaDB [perbankanIsmi]> 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 (0.295 sec)
```

```

MariaDB [perbankanIsmi]> 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 (0.563 sec)

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```

MariaDB [perbankanIsmi]> 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 (0.261 sec)

```

```

MariaDB [perbankanIsmi]>

```

```

MariaDB [perbankanIsmi]> 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 (0.288 sec)

```

```

MariaDB [perbankanIsmi]>

```

```

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

```

```

MariaDB [perbankanIsmi]> 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 (0.341 sec)

```