

Nama : Maulana Alhif Ikhsan

NIM : L200180120

Kelas : E

Kegiatan

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C:\Windows\system32\cmd.exe - mysql -u root -p

E:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.1.38-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 (0.10 sec)

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(255) NOT NULL
  -> );
Query OK, 0 rows affected (0.43 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 (0.55 sec)

MariaDB [perbankan]> create table rekening(
  -> no_rekening INTEGER PRIMARY KEY,
  -> kode_cabang FK 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
  -> );
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(20) REFERENCES cabang_bank(kode_cabang) ON DELETE CASCADE ON UPDATE C' at line 3
MariaDB [perbankan]>
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C:\Windows\system32\cmd.exe - mysql -u root -p

MariaDB [perbankan]> create table rekening(
  -> no_rekening INTEGER PRIMARY KEY,
  -> kode_cabang FK 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
  -> );
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(20) REFERENCES cabang_bank(kode_cabang) ON DELETE CASCADE ON UPDATE C' at line 3
MariaDB [perbankan]> create table rekening(no_rekening INTEGER PRIMARY KEY, kode_cabang FK VARCHAR(20) REFERENCES cabang_bank(kode_cabang) ON DELETE CASCADE ON UPDATE C ASCADE, pin VARCHAR(20) DEFAULT '1234' NOT NULL, 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(20) REFERENCES cabang_bank(kode_cabang) ON DELETE CASCADE ON UPDATE C' at line 1
MariaDB [perbankan]> create table rekening( no_rekening INTEGER PRIMARY KEY, kode_cabangFK VARCHAR(20) REFERENCES cabang_bank(kode_cabang) ON DELETE CASCADE ON UPDATE C ASCADE, pin VARCHAR(20) DEFAULT '1234' NOT NULL, saldo INTEGER DEFAULT 0 NOT NULL );
Query OK, 0 rows affected (0.27 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,
  -> jenis_transaksi VARCHAR(20) DEFAULT 'debit' NOT NULL,
  -> tanggal DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP,
  -> 0;
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 '0' at line 6
MariaDB [perbankan]> create table transaksi(
  -> no_transaksi SERIAL PRIMARY KEY,
  -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah) ON DELETE SET NULL ON UPDATE CASCADE,
  -> jenis_transaksi VARCHAR(20) DEFAULT 'debit' NOT NULL,
  -> tanggal DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP,
  -> );
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 ')' at line 6
MariaDB [perbankan]> create table transaksi(
  -> no_transaksi SERIAL PRIMARY KEY,
  -> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah) 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 (0.46 sec)

MariaDB [perbankan]>
```

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C:\Windows\system32\cmd.exe - mysql -u root -p
-> );
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 ')' at line 6
MariaDB [perbankan]> create table transaksi(
-> no_transaksi SERIAL PRIMARY KEY,
-> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah) 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 (0.46 sec)

MariaDB [perbankan]> create table nasabah_has_rekening(
-> id_nasabahFK INTEGER REFERENCES nasabah(id_nasabah)
-> ON DELETE CASCADE ON UPDATE,
-> no_rekeningFK INTEGER REFERENCES rekening(no_rekening)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> );
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 '
no_rekeningFK INTEGER REFERENCES rekening(no_rekening)
ON DELETE CASCADE ON UPD' at line 3
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 (0.15 sec)

MariaDB [perbankan]> show tables
-> ;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.03 sec)

MariaDB [perbankan]>
```

Tugas

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C:\Windows\system32\cmd.exe - mysql -u root -p

E:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 4
Server version: 10.1.38-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 perkuliahan;
Query OK, 1 row affected (0.03 sec)

MariaDB [(none)]> use perkuliahan;
Database changed
MariaDB [perkuliahan]> create table mahasiswa(
  -> nim_mhs INTEGER PRIMARY KEY,
  -> nama_mhs VARCHAR(45) NOT NULL
  -> );
Query OK, 0 rows affected (0.18 sec)

MariaDB [perkuliahan]> create table dosen(
  -> nip_dosen INTEGER PRIMARY KEY,
  -> nim_mhsFK INTEGER REFERENCES mahasiswa(nim_mhs)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> nama_dosen VARCHAR(45)
  -> );
Query OK, 0 rows affected (0.17 sec)

MariaDB [perkuliahan]> create table mata_kuliah(
  -> kode_mk INTEGER PRIMARY KEY,
  -> kode_ruang_kelas INTEGER,
  -> nama_mk VARCHAR(45),
  -> jml_sks INTEGER
  -> );
Query OK, 0 rows affected (0.13 sec)

MariaDB [perkuliahan]> create table ruang_kelas(
  -> kode_ruang INTEGER PRIMARY KEY,
  -> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> daya_tampung INTEGER
  -> );

MariaDB [perkuliahan]> create table dosen(
  -> nip_dosen INTEGER PRIMARY KEY,
  -> nim_mhsFK INTEGER REFERENCES mahasiswa(nim_mhs)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> nama_dosen VARCHAR(45)
  -> );
Query OK, 0 rows affected (0.17 sec)

MariaDB [perkuliahan]> create table mata_kuliah(
  -> kode_mk INTEGER PRIMARY KEY,
  -> kode_ruang_kelas INTEGER,
  -> nama_mk VARCHAR(45),
  -> jml_sks INTEGER
  -> );
Query OK, 0 rows affected (0.13 sec)

MariaDB [perkuliahan]> create table ruang_kelas(
  -> kode_ruang INTEGER PRIMARY KEY,
  -> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> daya_tampung INTEGER
  -> );
Query OK, 0 rows affected (0.19 sec)

MariaDB [perkuliahan]> create table mahasiswa_has_mata_kuliah(
  -> nim_mhsFK INTEGER REFERENCES mahasiswa(nim_mhs)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> PRIMARY KEY(nim_mhsFK, kode_mkFK)
  -> );
Query OK, 0 rows affected (0.23 sec)

MariaDB [perkuliahan]> create table mata_kuliah_has_dosen(
  -> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> nip_dosenFK INTEGER REFERENCES dosen(nip_dosen)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> PRIMARY KEY(kode_mkFK, nip_dosenFK)
  -> );
Query OK, 0 rows affected (0.20 sec)

MariaDB [perkuliahan]>
```