Nama : Brian Aditya Hermansyah
NIM : L200180116
Kelas : E

Latihan

```
                    Console - brianadit24@brianadit24-X550ZE: ~           —  □  ×

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     -> 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, kod
e_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 (0.64 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,
     -> jumlah INTEGER NOT NULL CHECK (jumlah>=20000)
     -> );
Query OK, 0 rows affected (0.64 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 (0.24 sec)

MariaDB [perbankan]> show tables
     -> ;
+----------------------+
| Tables_in_perbankan  |
+----------------------+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+----------------------+
5 rows in set (0.00 sec)

 Menu
```

Tugas

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Console - brianadit24@brianadit24-X550ZE:~                   –  □  ×

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brianadit24@brianadit24-X550ZE:~$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.0.38-MariaDB-0ubuntu0.16.04.1 Ubuntu 16.04

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 (0.00 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 (0.56 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 (0.31 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 (0.26 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 (0.80 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 (0.55 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 (0.29 sec)

MariaDB [perkuliahan]>

Menu
```