MODUL 4

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Kelas   : E

Latihan

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                                    hudi@kali: ~                              _ □ ×

 File   Actions   Edit   View   Help

 hudi@kali:~$ sudo su
 [sudo] password for hudi:
 root@kali:/home/hudi# mysql
 Welcome to the MariaDB monitor.  Commands end with ; or \g.
 Your MariaDB connection id is 70
 Server version: 10.3.22-MariaDB-1 Debian buildd-unstable

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

 MariaDB [(none)]> create database perbankan;
 Query OK, 1 row affected (0.000 sec)

 MariaDB [(none)]> use perbankan;
 Database changed
 MariaDB [perbankan]> create table nasabah(id_nasabah INTEGER PRIMARY KEY, nama_n
 asabah VARCHAR(45) NOT NULL, alamat_nasabah VARCHAR(255) NOT NULL);
 Query OK, 0 rows affected (1.595 sec)

 MariaDB [perbankan]> create table cabang_bank(kode_cabang VARCHAR(20) PRIMARY KE
 Y, nama_cabang VARCHAR(45) UNIQUE NOT NULL, alamat_cabang VARCHAR(255) NOT NULL)
 ;
 Query OK, 0 rows affected (0.615 sec)

 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 (0.550 sec)

 MariaDB [perbankan]> create table transaksi( no_transaksi SERIAL PRIMARY KEY, id
 _nasabahFK INTEGER REFERENCES nasabah(id_nasabah) ON DELETE SET NULL ON UPDATE C
 ASCADE, jenis_transaksi VARCHAR(20) DEFAULT 'debit' NOT NULL, tanggal DATETIME N
 OT NULL DEFAULT CURRENT_TIMESTAMP, jumlah INTEGER NOT NULL CHECK (jumlah≥20000)
 );
 Query OK, 0 rows affected (0.201 sec)

 MariaDB [perbankan]> create table nasabah_has_rekening( id_nasabahFK INTEGER REF
 ERENCES nasabah(id_nasabah) ON DELETE CASCADE ON UPDATE CASCADE,no_rekeningFK IN
```

```
MariaDB [perbankan]> create table nasabah_has_rekening( id_nasabahFK INTEGER REF
ERENCES nasabah(id_nasabah) ON DELETE CASCADE ON UPDATE CASCADE,no_rekeningFK IN
TEGER REFERENCES rekening(no_rekening) ON DELETE CASCADE ON UPDATE CASCADE, PRIM
ARY KEY(id_nasabahFK, no_rekeningFK));
Query OK, 0 rows affected (0.203 sec)

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

MariaDB [perbankan]> 
```

Tugas


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                                    hudi@kali: ~                        _ □ ×

File   Actions   Edit   View   Help

hudi@kali:~$ sudo su
[sudo] password for hudi:
root@kali:/home/hudi# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 71
Server version: 10.3.22-MariaDB-1 Debian buildd-unstable

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 (0.001 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 (0.290 sec)

MariaDB [perkuliahan]> create table dosen(nip_dosen INTEGER PRIMARY KEY, nim_mhs
FK INTEGER REFERENCES mahasiswa(nim_mhs) ON DELETE CASCADE ON UPDATE CASCADE, na
ma_dosen VARCHAR(45) NOT NULL);
Query OK, 0 rows affected (0.209 sec)

MariaDB [perkuliahan]> create table mata_kuliah( kode_mk INTEGER PRIMARY KEY, ko
de_ruang_kelas INTEGER, nama_mk VARCHAR(45), jumlah_sks INTEGER );
Query OK, 0 rows affected (0.632 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 C
ASCADE, daya_tampung INTEGER);
Query OK, 0 rows affected (0.281 sec)

MariaDB [perkuliahan]> create table mahasiswa_has_mata_kuliah( nim_mhsFK INTEGER
 REFERENCES mahasiswa(nim_mhs) ON DELETE CASCADE ON UPDATE CASCADE, kode_mkFK IN
TEGER REFERENCES mata_kuliah(kode_mk) ON DELETE CASCADE ON UPDATE CASCADE, PRIMA
RY KEY(nim_mhsFK, kode_mkFK));
Query OK, 0 rows affected (0.278 sec)

MariaDB [perkuliahan]> create table mata_kuliah_has_dosen( kode_mkFK INTEGER REF
```

```
MariaDB [perkuliahan]> create table mahasiswa_has_mata_kuliah( nim_mhsFK INTEGER
 REFERENCES mahasiswa(nim_mhs) ON DELETE CASCADE ON UPDATE CASCADE, kode_mkFK IN
TEGER REFERENCES mata_kuliah(kode_mk) ON DELETE CASCADE ON UPDATE CASCADE, PRIMA
RY KEY(nim_mhsFK, kode_mkFK));
Query OK, 0 rows affected (0.278 sec)

MariaDB [perkuliahan]> create table mata_kuliah_has_dosen( kode_mkFK INTEGER REF
ERENCES mata_kuliah(kode_mk) ON DELETE CASCADE ON UPDATE CASCADE, nip_dosenFK IN
TEGER REFERENCES dosen(nip_dosen) ON DELETE CASCADE ON UPDATE CASCADE, PRIMARY K
EY( kode_mkFK, nip_dosenFK ));
Query OK, 0 rows affected (0.294 sec)
```

```
MariaDB [perkuliahan]> show tables;
+-------------------------+
| Tables_in_perkuliahan   |
+-------------------------+
| dosen                   |
| mahasiswa               |
| mahasiswa_has_mata_kuliah |
| mata_kuliah             |
| mata_kuliah_has_dosen   |
| ruang_kelas             |
+-------------------------+
6 rows in set (0.001 sec)

MariaDB [perkuliahan]>
```