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Praktikum

```
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 (1.590 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 (0.224 sec)
```

```
Administrator: Command MRRS - mysql -u root -p
-> 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 'cab
ang_bank(kode_cabang)
ON DELETE CASCADE ON UPDATE CASCADE,
pin VARCHAR(20) DE' at line 3
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 (0.210 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 (0.234 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 (0.112 sec)

MariaDB [perbankan]> show tables
-> show tables;
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 'sho
w tables' at line 2
MariaDB [perbankan]>
MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.003 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 (0.292 sec)
```

Tugas Praktikum

```
Administrator: Command MRRS - mysql -u root -p
MariaDB [perkuliahan1]> CREATE TABLE mahasiswa(  
-> nim_mhs INTEGER PRIMARY KEY,  
-> kode_rkFK VARCHAR(20) REFERENCES ruang_kelas(kode_rk)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> nip_dosenFK INTEGER REFERENCES dosen(nip_dosen)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> nama_mhs VARCHAR(30),  
-> alamat_mhs VARCHAR(255));  
Query OK, 0 rows affected (0.137 sec)  
  
MariaDB [perkuliahan1]> CREATE TABLE dosen(  
-> nip_dosen INTEGER PRIMARY KEY,  
-> nama_dosen VARCHAR(30),  
-> alamat_dosen VARCHAR(255));  
Query OK, 0 rows affected (0.162 sec)  
  
MariaDB [perkuliahan1]> CREATE TABLE matkul(  
-> id_matkul INTEGER PRIMARY KEY,  
-> kode_rkFK VARCHAR(20) REFERENCES ruang_kelas(kode_rk)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> nama_matkul VARCHAR(25),  
-> jenis_matkul INTEGER);  
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 'VAR  
HCAR(25),  
jenis_matkul INTEGER)' at line 5
```

```
Administrator: Command MRRS - mysql -u root -p
MariaDB [perkuliahan1]> CREATE TABLE matkul(  
-> id_matkul INTEGER PRIMARY KEY,  
-> kode_rkFK VARCHAR(20) REFERENCES ruang_kelas(kode_rk)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> nama_matkul VARCHAR(25));  
Query OK, 0 rows affected (0.215 sec)  
  
MariaDB [perkuliahan1]> CREATE TABLE ruang_kelas(  
-> kode_rk VARCHAR(20) PRIMARY KEY,  
-> kapasitas INTEGER);  
Query OK, 0 rows affected (0.088 sec)  
  
MariaDB [perkuliahan1]> CREATE TABLE mahasiswa_has_matkul(  
-> nim_mhsFK INTEGER REFERENCES mahasiswa(nim_mhs)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)  
-> 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 '' a  
t line 5  
MariaDB [perkuliahan1]> CREATE TABLE mahasiswa_has_matkul(  
-> nim_mhsFK INTEGER REFERENCES mahasiswa(nim_mhs)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)  
-> ON DELETE CASCADE ON UPDATE CASCADE);  
Query OK, 0 rows affected (0.170 sec)
```

```
Administrator: Command MRRS - 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 '' a
t line 5
MariaDB [perkuliahan]> CREATE TABLE mahasiswa_has_matkul<
-> nim_mhsFK INTEGER REFERENCES mahasiswa(nim_mhs)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.170 sec)

MariaDB [perkuliahan]> CREATE TABLE dosen_has_matkul<
-> nip_dosenFK INTEGER REFERENCES dosen(nip_dosen)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
-> 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 '' a
t line 5
MariaDB [perkuliahan]> CREATE TABLE dosen_has_matkul<
-> nip_dosenFK INTEGER REFERENCES dosen(nip_dosen)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.076 sec)

MariaDB [perkuliahan]>
```

```
Administrator: Command MRRS - mysql -u root -p

-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
-> 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 '' a
t line 5
MariaDB [perkuliahan]> CREATE TABLE dosen_has_matkul<
-> nip_dosenFK INTEGER REFERENCES dosen(nip_dosen)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.076 sec)

MariaDB [perkuliahan]> show tables;
+-----+
| Tables_in_perkuliahan |
+-----+
| dosen                  |
| dosen_has_matkul       |
| mahasiswa              |
| mahasiswa_has_matkul   |
| matkul                 |
| ruang_kelas            |
+-----+
6 rows in set (0.292 sec)

MariaDB [perkuliahan]>
```