Nama: Anggit Astriani

NIM : L200180111

Kelas: E

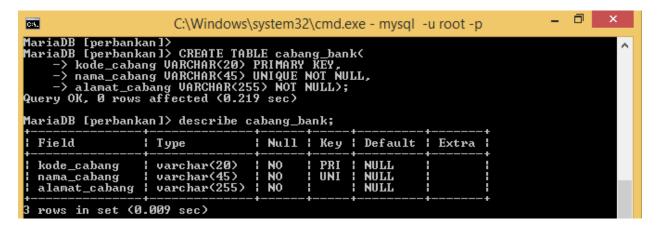
MODUL 4

Kegiatan

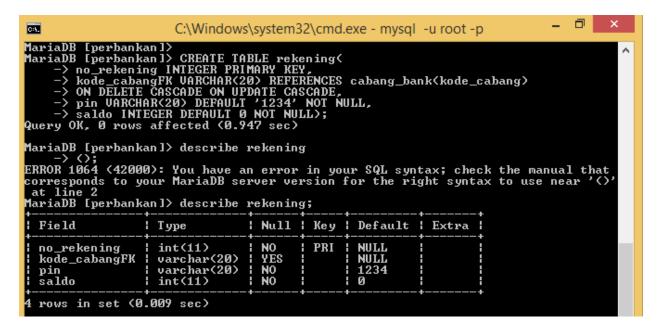
Membuat tabel nasabah

```
C:\Windows\system32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Users\ASUS-DESKTOP>cd..
C:\Users>cd..
C:\>cd C:\xampp\mysq1\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 [perbankan]> show tables;
| Tables_in_perbankan
l nasabah
  row in set (0.001 sec)
MariaDB [perbankan]> describe nasabah;
  Field
                    ! Type
                                    : Null :
                                              Key | Default
                                                                Extra
                     int(11)
varchar(45)
varchar(45)
  id_nasabah
                                              PRI
                                                     NULL
  nama_nasabah
                                                     NULL
  alamat_nasabah
                                      NO
                                                     NULL
  rows in set (0.009 sec)
```

Membuat tabel cabang_bank



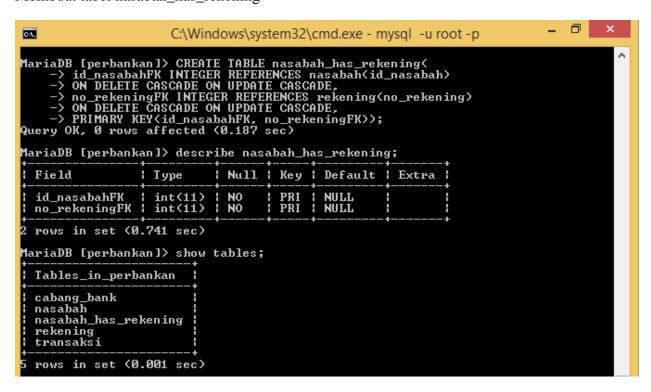
Membuat Tabel rekening



Membuat tabel transaksi

```
_ 🗇 ×
                                       C:\Windows\system32\cmd.exe - mysql -u root -p
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 UARCHAR(20) DEFAULT 'debit' NOT NULL,
--> tanggal DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP,
--> jumlah INTEGER NOT NULL CHECK(jumlah)=20000));
Query OK, 0 rows affected (0.918 sec)
 MariaDB [perbankan]> describe transaksi;
: Field
                                   ! Type
                                                                              ! Null | Key | Default
                                                                                                                                                  ! Ext
   no_transaksi
                                   | bigint(20) unsigned | NO
                                                                                            ! PRI ! NULL
                                                                                                                                                  ! aut
    increment ¦
    id_nasabahFK
                                   ! int(11)
                                                                                                       ! NULL
                                                                              ! YES
                                                                                            .
   no_rekeningFK
                                   | int(11)
                                                                              : YES
                                                                                            ł
                                                                                                       ! NULL
   jenis_transaksi | varchar(20)
                                                                              I NO
                                                                                            ı
                                                                                                       ! debit
                                   datetime
                                                                                            H
   tanggal
                                                                              I NO
                                                                                                       ! current_timestamp() !
   jumlah
                                   | int(11)
                                                                              I NO
                                                                                                       ! NULL
   rows in set (0.735 sec)
```

Membuat tabel nasabah has rekening



TUGAS

Implementasi hasil rancangan database yang menangani data kuliah pada tugas modul 2 ke dalam program mysql

Membuat database Universitas

```
Command Prompt - mysql -u root -p

MariaDB [(none)]> create database Universitas;
Query OK, 1 row affected (0.074 sec)

MariaDB [(none)]> use Universitas;
Database changed
```

Membuat tabel Mahasiswa

```
Command Prompt - mysql -u root -p

MariaDB [Universitas]> CREATE TABLE Mahasiswa(
-> id_mhs INTEGER PRIMARY KEY,
-> nama_mhs UARCHAR(45) NOT NULL,
-> alamat_mhs UARCHAR(255) NOT NULL);
Query OK, 0 rows affected (0.640 sec)
```

Membuat tabel Dosen,

MataKuliah,

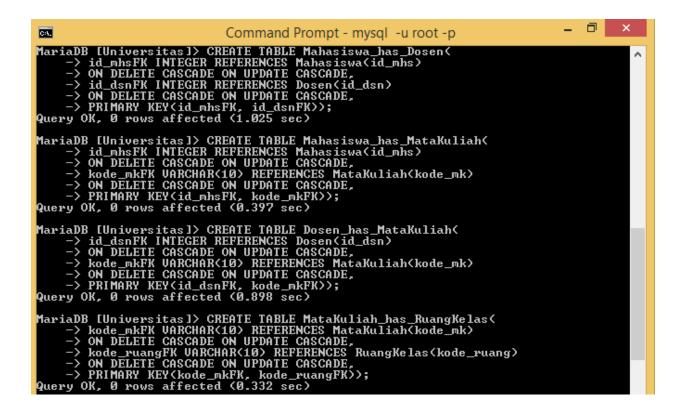
Ruang Kelas

Membuat tabel Mahasiswa_has_Dosen,

Mahasiswa_has_MataKuliah,

Dosen_has_MataKuliah,

MataKuliah_has_RuangKelas



Hasil:

68.	Command	Prompt -	- mysql -	u root -p		_ 🗇 ×
MariaDB [Universitas]> show tables;						
Tables_in_universitas						
dosen dosen_has_matakuliah mahasiswa mahasiswa_has_dosen mahasiswa_has_matakulial matakuliah matakuliah_has_ruangkela	:					
8 rows in set (0.002 sec)						
MariaDB [Universitas]> describe Dosen; ++						
Field	Null 	Key De	fault :	Extra :		
id_dsn int(11) nama_dsn varchar(45)	NO : 1	PRI : NU : NU	ILL :			
2 rows in set (0.178 sec)						
MariaDB [Universitas]> describe Dosen_has_MataKuliah;						
Field Type	Null	Key I	efault	Extra		
id_dsnFK int(11) kode_mkFK varchar(10)			IULL IULL			
2 rows in set (0.050 sec)						
MariaDB [Universitas]> describe Mahasiswa;						
Field Type	Null	l Key	Defaul:	t Extra		
id_mhs int(11) nama_mhs varchar(45) alamat_mhs varchar(25)		PRI	NULL NULL NULL		-+	
3 rows in set (0.010 sec)						
MariaDB [Universitas]> describe Mahasiswa_has_Dosen;						
Field Type Null Key Default Extra						
id_mhsFK int(11) NO id_dsnFK int(11) NO	PRI PRI	NULL NULL		+		
2 rows in set (0.734 sec)						
MariaDB [Universitas]> describe Mahasiswa_has_MataKuliah;						
Field Type	Null	Key I	Default	Extra :		
id_mhsFK int(11) kode_mkFK varchar(10)	NO :		ULL ULL			
2 rows in set (0.730 sec)						

