

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 1 (Pengenalan dan instalansi MySQL)

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1. Jelaskan mengapa dibutuhkan data!

Data diperlukan dalam segala hal, baik berupa pengukuran, pencatatan, pengumpulan informasi, maupun pengambilan keputusan semuanya memerlukan data. Dengan kata lain data sangat dibutuhkan karena informasi yang ada akan memberikan arti yang sangat penting baik untuk saat ini maupun untuk akan datang. Sehingga definisi dari data adalah informasi yang mengandung arti

2. Jelaskan manfaat database dan contohnya!

- Kecepatan dan Kemudahan
- Pemakaian Bersama-sama
- Kontrol data terpusat
- Menghemat biaya perangkat
- Keamanan Data
- Memudahkan dalam pembuatan Aplikasi baru contohnya : saja perbankan yang memiliki cabang di setiap kotanya. Perusahaan Bank tersebut hanya memiliki satu database yang disimpan di server pusat, sedangkan cabang cabangnya terhubung melalui jaringan komputer untuk mengakses database yang terletak di sever pusat tersebut.

3. Untuk menentukan jenis database yang digunakan, apa yang menjadi acuan dalam pemilihan database tersebut?

Acuan dalam pemilihan database adalah :

1. Pendeskripsi kebutuhan informasi dan data
2. Spesifikasi data
3. Pemrosesan yang diperlukan oleh data
4. Pertimbangan keamanan
5. Kecocokan dengan tipe aplikasi
6. Bahasa query
7. Biaya tak langsung terhadap pemrosesan

4. Jelaskan istilah atau terminology yang digunakan dalam Database (database,table, field, record)!

Istilah “database” berasal dari ilmu komputer. Meskipun kemudian artinya semakin luas, memasukkan hal-hal yang di luar bidang elektronika, artikel mengenai database komputer. Catatan yang mirip dengan database sebenarnya sudah ada sebelum revolusi industri yaitu dalam bentuk buku besar, kuitansi dan kumpulan data yang berhubungan dengan bisnis.

5. Bandingkan perbedaan pengolahan data secara manual dengan menggunakan system database. Sistem File Tradisional /manual.

Sebelumnya, sistem yang digunakan untuk mengatasi semua permasalahan bisnis, menggunakan pengelolaan data secara tradisional dengan cara menyimpan record-record pada file-file yang terpisah yang disebut juga sistem pemrosesan file. Contoh : universitas yang mempunyai dua sistem ; yakni sistem yang memproses data mahasiswa dan sistem yang mengelola data mata kuliah - Digunakan untuk menyimpan record dalam file yang terpisah penyimpanan Tradisional - Masing-masing file diperuntukkan hanya untuk satu program aplikasi

Sistem Basis Data Seiring dengan berjalanannya waktu, sistem pemrosesan file ditinggalkan karena masih bersifat manual yang kemudian dikembangkan sistem pemrosesan dengan pendekatan basis data. Contoh : Data universitas Pada sistem ini record-record data disimpan pada satu tempat yakni basis data dan diantara program aplikasi maupun pemakai terdapat DBMS (Database Management System). Perbedaan antara File Manajemen tradisional dan File Manajemen Database File Manajemen Tradisional : File Manajemen Database : 1. Program Oriented 1. Data Oriented 2. Kaku 2. Luwes 3. Adanya kerangkapan data 3. Terkontrolnya kerangkapan data

6. Mengapa dibutuhkan DBMS?

Karena Database Management System (DBMS) merupakan software yang digunakan untuk membangun sebuah sistem basis data yang berbasis komputerisasi. DBMS membantu dalam pemeliharaan dan pengolahan kumpulan data dalam jumlah besar. Sehingga dengan menggunakan DBMS tidak menimbulkan kekacauan dan dapat digunakan oleh pengguna sesuai dengan kebutuhan.

7. Pada percobaan diatas ada beberapa field yang tipe data dan ukurannya berbeda. Jelaskan!

Dalam tabel Mhs, terdapat 6 field :

1. nim, NIM diatur tipe data text, berarti pada record dapat diisi data berupa teks huruf, angka, dan simbol simbol lain.
2. nama,
3. tempat_lahir,
4. tanggal_lahir,
5. alamat,
6. telepon.

Masing-masing field diatur sesuai tipe data yang dibutuhkan, pada field Ukuran tipe data pada field nim diatur sepanjang 255, artinya digit maksimum yang dapat dimasukkan ke dalam record adalah 255 digit. Jika data yang dimasukkan lebih dari 255 digit, maka digit ke-256 dan berikutnya tidak akan terbaca. Untuk pengaturan maksimum defaultnya sendiri adalah sepanjang 255 digit. Kemudian pada field nama, sama-sama diatur tipe data text, namun panjang ukurannya berbeda, yaitu 20, artinya kita dapat memasukkan digit maksimum ke dalam record yaitu sepanjang 20 digit, melebihi 20 data ke-21 dan seterusnya tidak akan terbaca. Pada field alamat pun sama dengan field nim.

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 2 (Perancangan Basis Data)

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1. Menentukan entities (object-object dasar) yang perlu ada di database.

- Mahasiswa : menyimpan semua data pribadi tentang mahasiswa
- Dosen : menyimpan semua data pribadi tentang dosen
- Mata Kuliah : menyimpan semua data pribadi tentang mata kuliah
- Ruang Kelas : menyimpan semua data pribadi tentang ruang kelas

2. Menentukan Attributes (sifat-sifat) masing-masing *entity* sesuai kebutuhan database.

- Mahasiswa :
 - NIM : Berupa integer PK
 - Nama : (varchar (45))
 - Alamat : (varchar (255))
- Dosen :
 - NIDN : Berupa integer PK
 - Nama : (varchar (45))
 - Alamat : (varchar (255))
- Mata Kuliah :
 - Kode MK : Berupa integer PK
 - Jadwal : (varchar (255))
 - SKS : Berupa integer
- Ruang Kelas :
 - Kode Kelas : Kode ruangan(varchar(45)) PK
 - Nama Ruang : Nama ruangan(varchar (255))
 - Tempat Ruang : (varchar (255))

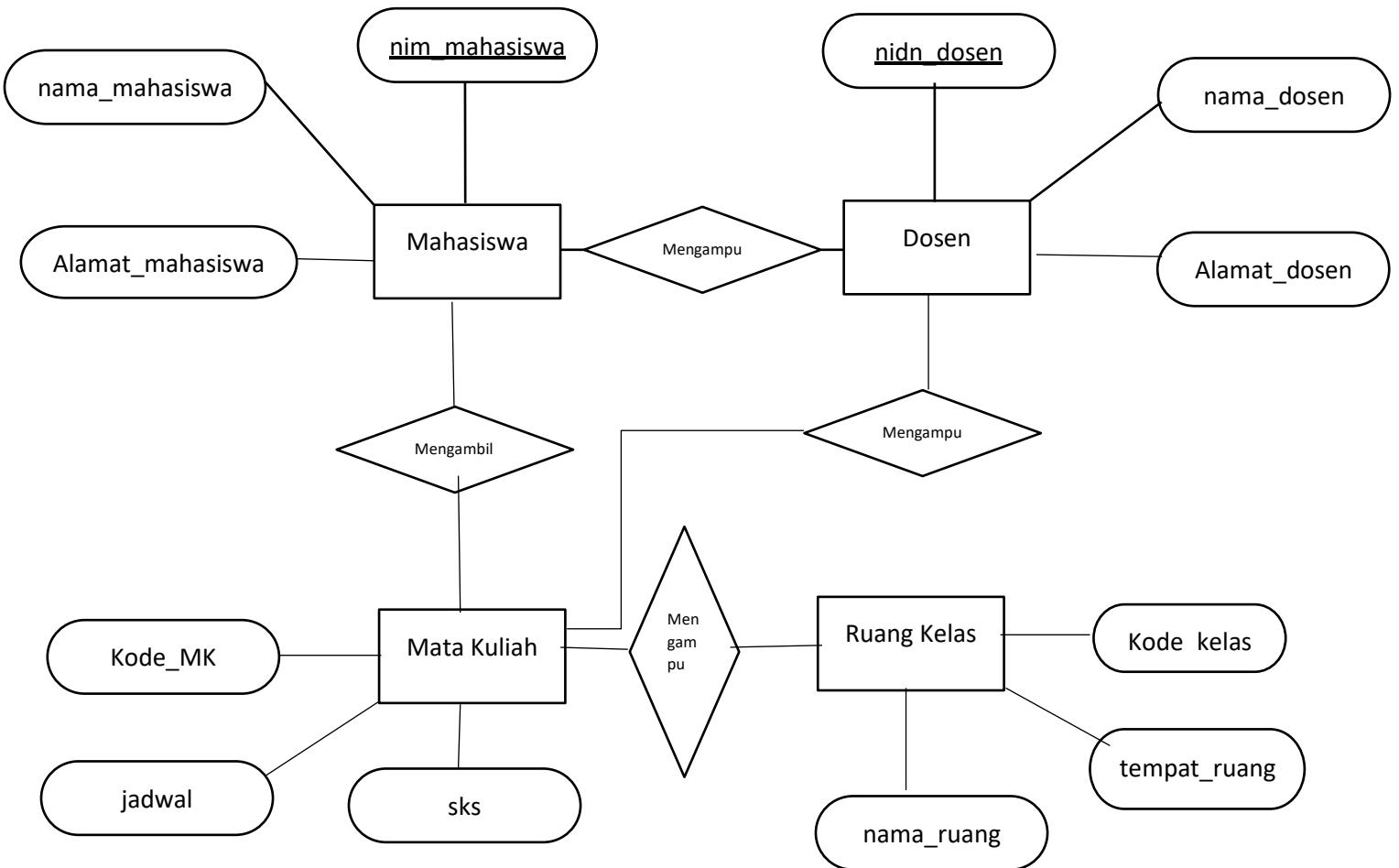
3. Menentukan relationship (hubungan) antar entitas.

	Mahasiswa	Dosen	Mata Kuliah	Ruang Kelas
Mahasiswa	-	1:n	m :n	-
Dosen		-	1 :n	-
Mata Kuliah			-	1 :n
Ruang Kelas				-

Hubungan :

- Dosen mengampu Mahasiswa:
 - Tabel Utama : Dosen
 - Tabel Kedua : Mahasiswa
 - Relationship : One-to-many (1:n)
 - Attribute penghubung : nidn_dosen (FK nidn_dosen di mahasiswa)
- Mahasiswa mengambil Mata Kuliah :
 - Tabel Utama : Mahasiswa, Mata Kuliah
 - Tabel Kedua : Mata Kuliah
 - Relationship : Many-to-many (m:n)
 - Attribute penghubung : nim_mahasiswa, kode_mk (FK nim_mahasiswa, kode_mk di mahasiswa_take_mata_kuliah)
- Dosen mengampu Mata Kuliah :
 - Tabel Utama : Dosen
 - Tabel Kedua : Mata Kuliah
 - Relationship : One-to-many (1:n)
 - Attribute penghubung : nidn_dosen (FK nidn_dosen di mata kuliah)
- Mata Kuliah menempati Ruang Kelas :
 - Tabel Utama : Mata Kuliah
 - Tabel Kedua : Ruang Kelas
 - Relationship : One-to-many (1:n)
 - Attribute penghubung : kode_mk (FK kode_mk di ruang kelas)

4. Menggambar ERD Diagram



Tugas No.2

1. Menentukan entities (object-object dasar) yang perlu ada di database.

- Mobil : menyimpan semua data mobil
- Jenis mobil : menyimpan semua data mobil
- registrasi : menyimpan semua data pribadi registrasi customer
- costumer : menyimpan semua data pribadi costumer
-

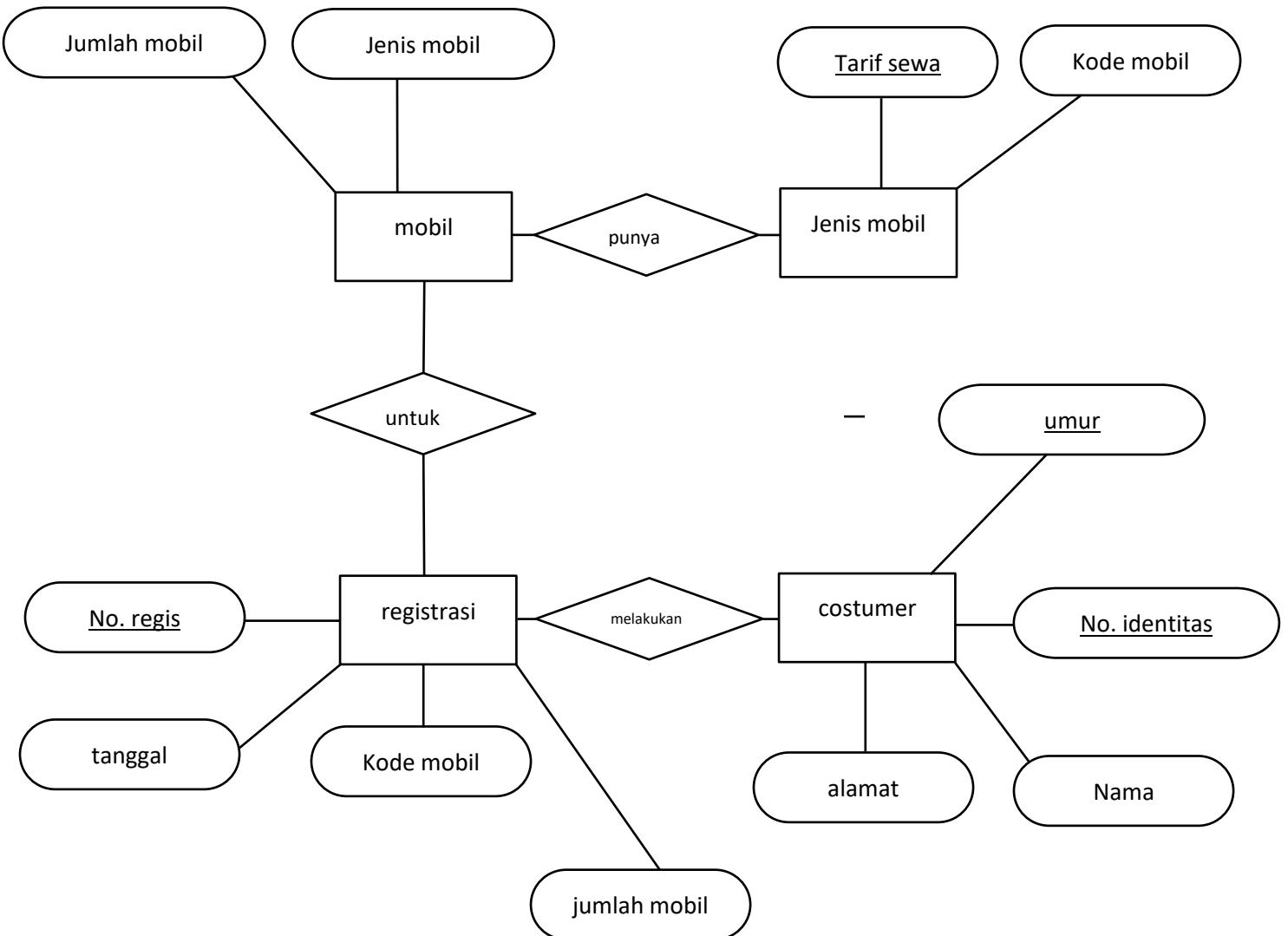
2. Menentukan Attributes (sifat-sifat) masing-masing *entity* sesuai kebutuhan database.

- Mobil :
 - Jenis mobil : (varchar(45)) PK
 - Jumlah mobil : (integer)
- Jenis mobil :
 - Kode mobil : (varchar(45)) PK
 - Tarif sewa : Rp (integer)
- registrasi :
 - No. registrasi : (integer) PK
 - tanggal : (varchar (255))
 - kode mobil : (varchar (255))
 - jumlah mobil :(integer)
- costumer :
 - No. identitas : (integer) PK
 - Nama : (varchar (255))
 - Alamat : (varchar (255))
 - Umur :(integer)

3. Menentukan relationship (hubungan) antar entitas.

	Jenis Mobil	mobil	registrasi	costumer
Jenis Mobil	-	1:n	-	-
mobil		-	1:1	-
registrasi			-	n:1
costumer				-

4. Menggambar ERD Diagram



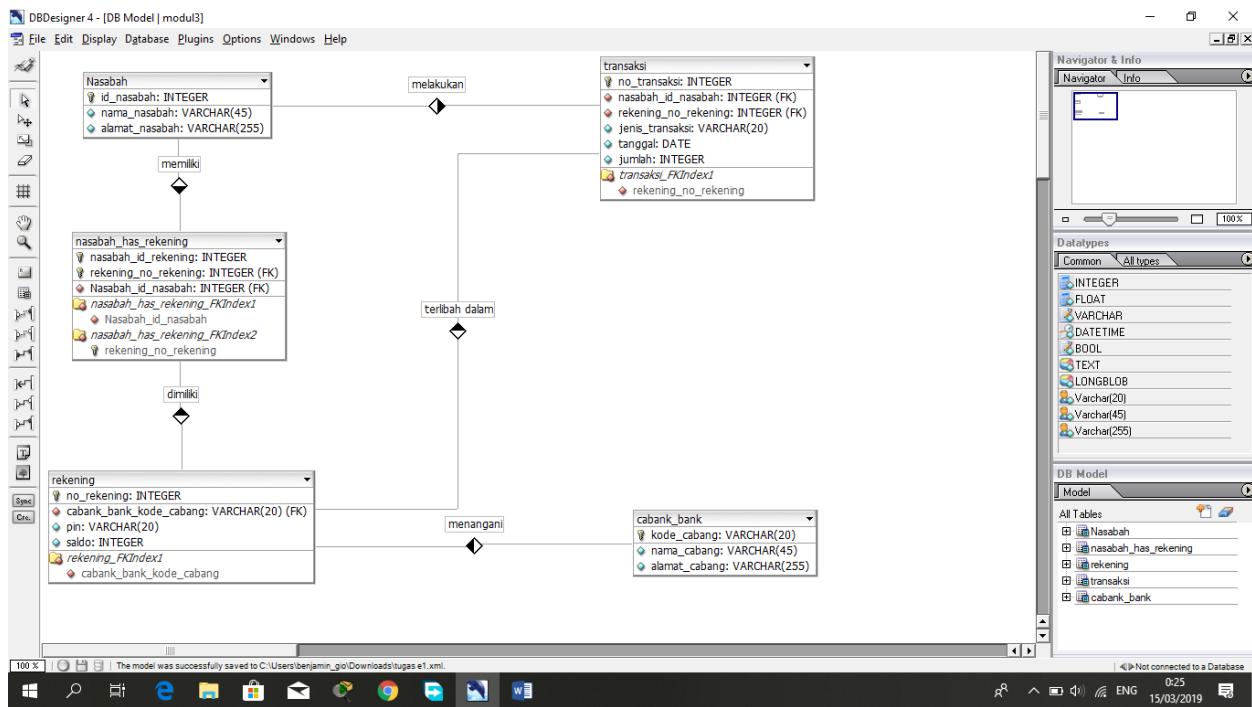
LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 3 (Perancangan ER Diagram Dengan DBDDesigner)

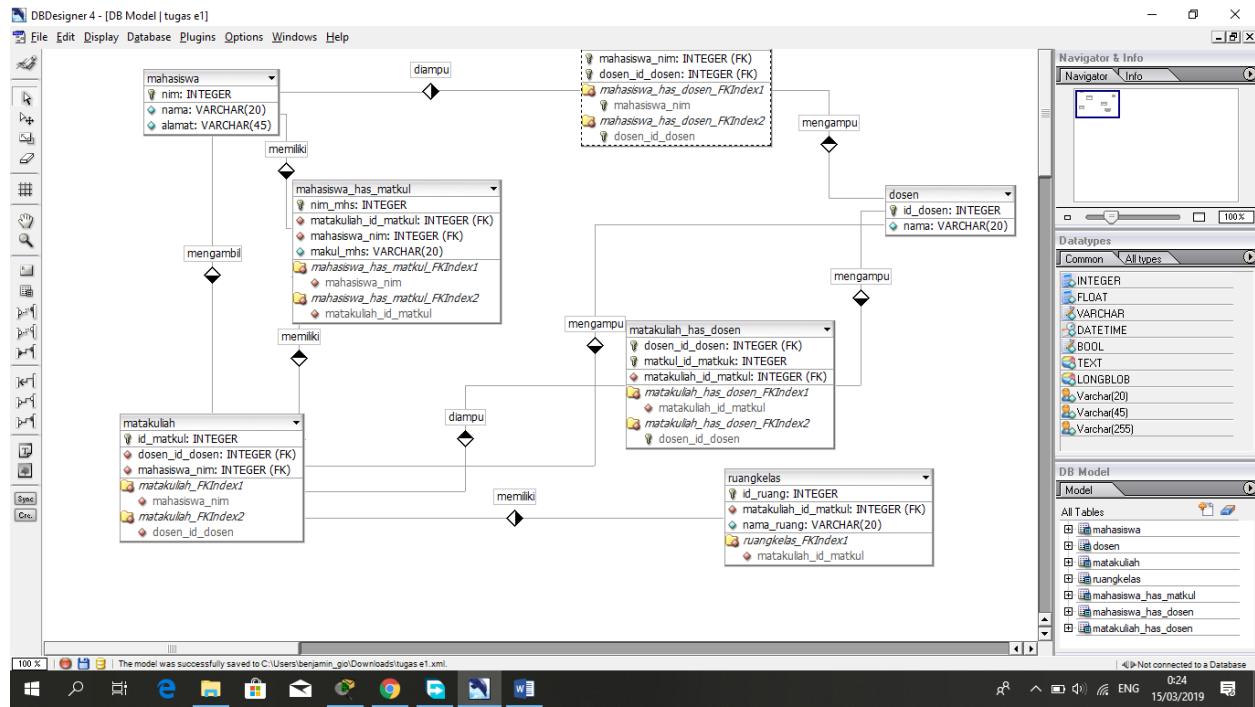
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TUGAS

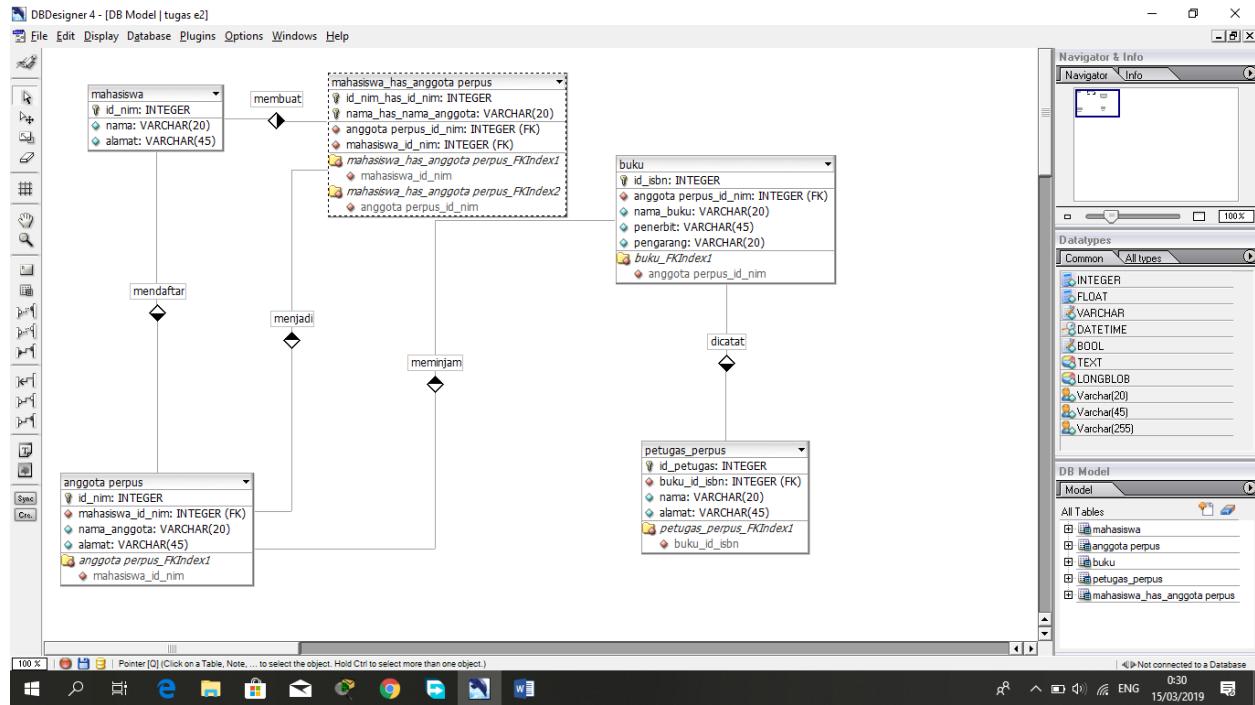
1. TRANSAKSI PERBANKAN



2. MAHASISWA



3. PERPUSTAKAAN



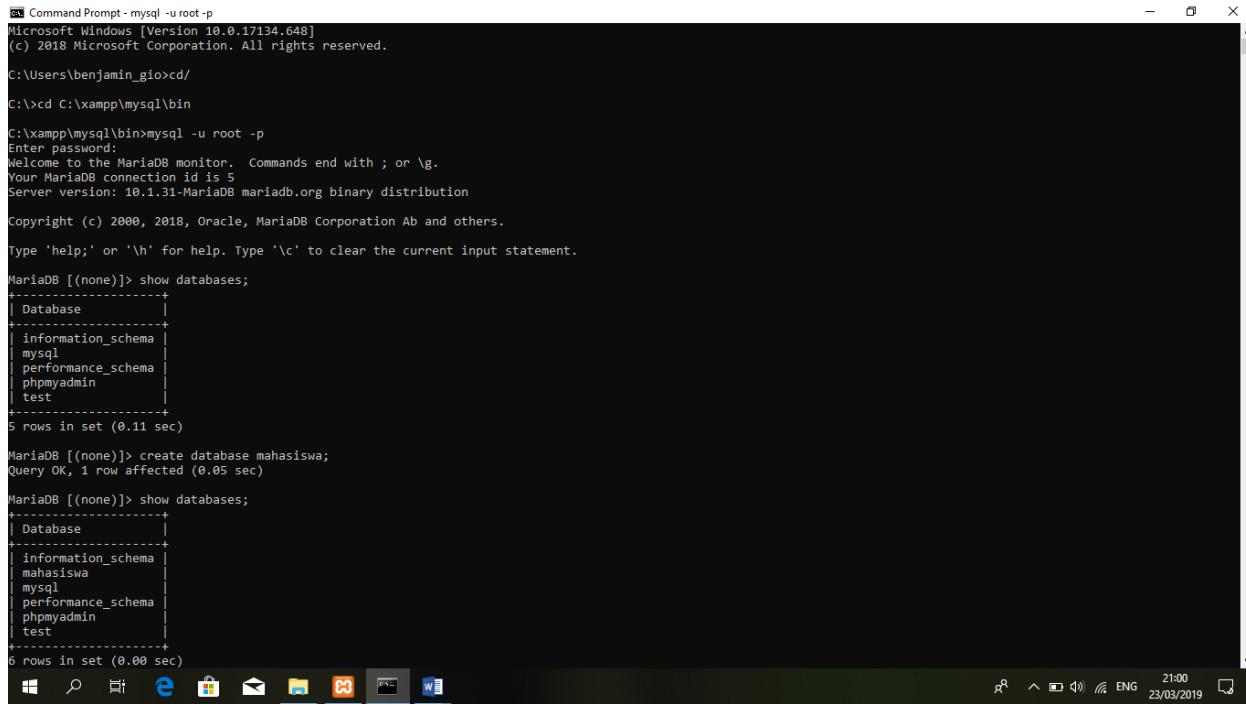
LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 4 (Data Definition Language (DDL))

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Tugas database data mahasiswa

Cara :



```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\benjamin_gio>cd/
C:\>cd C:\xampp\mysql\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 5
Server version: 10.1.31-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)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
5 rows in set (0.11 sec)

MariaDB [(none)]> create database mahasiswa;
Query OK, 1 row affected (0.05 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mahasiswa |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.00 sec)
```

```
ca Select Command Prompt - mysql -u root -p
MariaDB [(none)]> use mahasiswa;
Database changed
MariaDB [mahasiswa]> create table mahasiswa(
    -> nim_mhs integer(20) primary key,
    -> nama_mhs varchar(45),
    -> alamat_mhs varchar(255));
Query OK, 0 rows affected (0.30 sec)

MariaDB [mahasiswa]> show tables;
+-----+
| Tables_in_mahasiswa |
+-----+
| mahasiswa           |
+-----+
1 row in set (0.00 sec)

MariaDB [mahasiswa]> create table dosen(
    -> nida integer(20) primary key,
    -> nama_dosen varchar(45),
    -> alamat_dosen varchar(255));
Query OK, 0 rows affected (0.45 sec)

MariaDB [mahasiswa]> create table matakuliah(
    -> kode_mk integer(20) primary key,
    -> jadwal varchar(45),
    -> sks integer(20));
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 'integer(20)' at line 4
MariaDB [mahasiswa]> create table matakuliah(
    -> kode_mk integer(20) primary key,
    -> jadwal varchar(45),
    -> sks integer(20));
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 '-> kode_mk integer(20) primary key,' at line 2
MariaDB [mahasiswa]> create matakuliah(
    -> kode_mk integer(20) primary key,
    -> jadwal varchar(45),
    -> sks_jml integer(45));
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 'matakuliah('
kode_mk integer(20) primary key,
jadwal varchar(45),
MariaDB [(none)]>
```

```
ca Select Command Prompt - mysql -u root -p
MariaDB [mahasiswa]> create table matakuliah(
    -> kode_mk integer(20) primary key,
    -> jadwal varchar(45),
    -> jml_sks integer(255));
Query OK, 0 rows affected (0.22 sec)

MariaDB [mahasiswa]> create table ruangkelas(
    -> kode_kls varchar(45) primary key,
    -> nama_ruang varchar(255),
    -> tempat_ruang varchar(255));
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 4
MariaDB [mahasiswa]> create table ruangkelas(
    -> kode_kls integer(20) primary key,
    -> nama_ruang varchar(45),
    -> tempat_ruang varchar(255));
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 4
MariaDB [mahasiswa]> create table ruangkelas(
    -> kode_kls varchar(45) primary key,
    -> nama_ruang varchar(45),
    -> tempat_ruang varchar(255));
Query OK, 0 rows affected (0.48 sec)

MariaDB [mahasiswa]> show tables;
+-----+
| Tables_in_mahasiswa |
+-----+
| dosen               |
| mahasiswa           |
| matakuliah          |
| ruangkelas          |
+-----+
4 rows in set (0.00 sec)

MariaDB [mahasiswa]> desc ruangkelas;
+-----+-----+-----+-----+-----+-----+
| Field   | Type    | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode_kls | varchar(45) | NO   | PRI  | NULL    |       |
| nama_ruang | varchar(45) | YES  |      | NULL    |       |
| tempat_ruang | varchar(255) | YES  |      | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.13 sec)
```

```
ca Select Command Prompt - mysql -u root -p
MariaDB [mahasiswa]> create table dosen_has_mahasiswa(
    -> nidn_dosenfk integer(20) references dosen(nidn_dosen) on delete cascade on update cascade,
    -> nim_mhsfk integer(20) references mahasiswa(nim_mhs) on delete cascade on update cascade);
Query OK, 0 rows affected (0.24 sec)

MariaDB [mahasiswa]> desc dosen_has_mahasiswa;
+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| nidn_dosenfk | int(20) | YES | NO | NULL |          |
| nim_mhsfk | int(20) | YES | NO | NULL |          |
+-----+-----+-----+-----+
2 rows in set (0.01 sec)

MariaDB [mahasiswa]> create table matakuliah_has_mahasiswa;
ERROR 1113 (42000): A table must have at least 1 column
MariaDB [mahasiswa]> create table matakuliah_has_mahasiswa(
    -> kode_mkfk integer(20) reference matakuliah(kode_mk) on delete cascade on update cascade,
    -> nim_mhsfk integer(20) references mahasiswa(nim_mhs) 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 'matakuliah(
kode_mk) on delete cascade on update cascade,
nim_mhsfk integer(20) r' at line 2
MariaDB [mahasiswa]> create table matakuliah_has_mahasiswa(
    -> kode_mkfk integer(20) references matakuliah(kode_mk) on delete cascade on update cascade,
    -> nim_mhsfk integer(20) references mahasiswa(nim_mhs) on delete cascade on update cascade);
Query OK, 0 rows affected (0.25 sec)

MariaDB [mahasiswa]> desc matakuliah_has_mahasiswa;
+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| kode_mkfk | int(20) | YES | NO | NULL |          |
| nim_mhsfk | int(20) | YES | NO | NULL |          |
+-----+-----+-----+-----+
2 rows in set (0.01 sec)

MariaDB [mahasiswa]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mahasiswa |
| mysql |
| performance_schema |
+-----+
6 rows in set (0.00 sec)
```

```
ca Select Command Prompt - mysql -u root -p
MariaDB [mahasiswa]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mahasiswa |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.00 sec)

MariaDB [mahasiswa]> show tables;
+-----+
| Tables_in_mahasiswa |
+-----+
| dosen |
| dosen_has_mahasiswa |
| mahasiswa |
| matakuliah |
| matakuliah_has_mahasiswa |
| ruangkelas |
+-----+
6 rows in set (0.00 sec)

MariaDB [mahasiswa]> desc dosen;
+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| nidn | int(20) | NO | PRI | NULL |          |
| nama_dosen | varchar(45) | YES | NO | NULL |          |
| alamat_dosen | varchar(255) | YES | NO | NULL |          |
+-----+-----+-----+-----+
3 rows in set (0.01 sec)

MariaDB [mahasiswa]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mahasiswa |
| mysql |
| performance_schema |
+-----+
6 rows in set (0.01 sec)
```

```
ca Select Command Prompt - mysql -u root -p
MariaDB [mahasiswa]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mahasiswa |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.00 sec)

MariaDB [mahasiswa]> show tables;
+-----+
| Tables_in_mahasiswa |
+-----+
| dosen |
| dosen_has_mahasiswa |
| mahasiswa |
| matakuliah |
| matakuliah_has_mahasiswa |
| ruangkelas |
+-----+
6 rows in set (0.00 sec)

MariaDB [mahasiswa]> desc dosen;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| nidn | int(20) | NO | PRI | NULL |
| nama_dosen | varchar(45) | YES | NULL |
| alamat_dosen | varchar(255) | YES | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.30 sec)

MariaDB [mahasiswa]> desc dosen_has_matakuliah;
ERROR 1146 (42S02): Table 'mahasiswa.dosen_has_matakuliah' doesn't exist
MariaDB [mahasiswa]> desc matakuliah_has_mahasiswa;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| kode_mkfk | int(20) | YES | NULL |
| nim_mhsfk | int(20) | YES | NULL |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

Windows Taskbar icons: File Explorer, Mail, Photos, OneDrive, Task View, Start, Search, Edge, Microsoft Store, Taskbar search, Taskbar settings, Taskbar info, Taskbar language, Taskbar date/time, Taskbar notifications.
```

Hasil :

```
ca Select Command Prompt - mysql -u root -p
MariaDB [mahasiswa]> desc matakuliah_has_mahasiswa;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| kode_mkfk | int(20) | YES | NULL |
| nim_mhsfk | int(20) | YES | NULL |
+-----+-----+-----+-----+-----+
2 rows in set (0.02 sec)

MariaDB [mahasiswa]> desc dosen_has_mahasiswa;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| nidn_dosenfk | int(20) | YES | NULL |
| nim_mhsfk | int(20) | YES | NULL |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

MariaDB [mahasiswa]> desc matakuliah_has_mahasiswa;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| kode_mkfk | int(20) | YES | NULL |
| nim_mhsfk | int(20) | YES | NULL |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

MariaDB [mahasiswa]> exit.
```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 5 (Data Manipulation Language (DML))

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KELAS : A

10 record untuk masing-masing table master dan 20 record untuk table transaksi

```
Command Prompt - mysql -u root
MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
1 | Sutopo | Jl. Jend Sudirman 12
2 | Maryati | Jl. Melati 31
3 | Parman | Jl. Mawar 81
4 | Tika Padma | Jl. Manggis 15
5 | Budi Eko Prayoga | Jl. Kantil 30
6 | Satria Eka Jaya | Jl. Slamti Riyadi 45
7 | Indri Hapsari | Jl. Sutoyo 5
8 | Sari Murti | Jl. Pangandaran 1
9 | Canka Lokananta | Jl. Tidar 86
10 | Budi Murtono | Jl. Merak 22
11 | Prakoso | Jl. Malang 17
12 | Yati | Jl. Harsono 20
13 | Eko | Jl. Cut 41
14 | Andi | Jl. Anggur 39
15 | Yoga | Jl. Jeruk 37
16 | Eka | Jl. Riyadi 65
17 | Kartika | Jl. Sutopo 8
18 | Sari Putri | Jl. Jangkrik 15
19 | Bagus | Jl. Semut 86
20 | Dimas | Jl. sesama 222
+-----+-----+-----+
20 rows in set (0.00 sec)

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
BRUB | Bank Rut Unit Boyolali | Jl. Karang 55
BRUBE | Bank Rut Unit BendoSari | Jl. BendoSari 23
BRUBEK | Bank Rut Unit Bekonang | Jl. Bekonang 45
BRUJ | Bank Rut Unit Jaten | Jl. Jaten 12
BRUK | Bank Rut Unit Klaten | Jl. Mawar 29
BRUM | Bank Rut Unit MageLang | Jl. Pandan 66
BRUP | Bank Rut Unit Palun | Jl. Palur 21
BRUPOL | Bank Rut Unit Polokarto | Jl. Godog 18
BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 8
BRUSUK | Bank Rut Unit Sukonarjo | Jl. Gayam 63
BRW | Bank Rut Unit Wonogiri | Jl. Suropati 12
BRUY | Bank Rut Unit Yogyakarta | Jl. Melati 21
+-----+-----+-----+
20 rows in set
```

```
mysql Command Prompt - mysql -u root
MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUB | Bank Rut Unit Boyolali | Jl. Karang 55 |
| BRUBE | Bank Rut Unit Bendosari | Jl. Bendosari 23 |
| BRUBEK | Bank Rut Unit Bekonang | Jl. Bekonang 45 |
| BRUJ | Bank Rut Unit Jaten | Jl. Jaten 12 |
| BRUK | Bank Rut Unit Klaten | Jl. Mawar 29 |
| BRUM | Bank Rut Unit Magelang | Jl. Pandan 66 |
| BRUP | Bank Rut Unit Palur | Jl. Palur 21 |
| BRUPOL | Bank Rut Unit Polokarto | Jl. Godog 18 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 8 |
| BRUSUK | Bank Rut Unit Sukoharjo | Jl. Gayam 63 |
| BRWU | Bank Rut Unit Wonggori | Jl. Suprapati 12 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Melati 21 |
+-----+-----+-----+
12 rows in set (0.04 sec)

MariaDB [perbankan]> select * from rekening;
+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUB | 7777 | 1000000 |
| 108 | BRUB | 8888 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 1010 | BRUY | 1234 | 550000 |
| 1011 | BRUK | 4321 | 150000 |
| 1012 | BRUK | 123 | 300000 |
| 1013 | BRUY | 8888 | 255000 |
| 1020 | BRUS | 2222 | 350000 |
| 1030 | BRUS | 3333 | 750000 |
| 1040 | BRUM | 4444 | 900000 |
| 1050 | BRUM | 5555 | 2000000 |
| 1060 | BRUS | 6666 | 3000000 |
| 1070 | BRUB | 7777 | 1000000 |
| 1080 | BRUB | 8888 | 5000000 |
| 1090 | BRUB | 9999 | 0 |
+-----+-----+-----+
12 rows in set
```

12 rows in set

```
mysql Command Prompt - mysql -u root
MariaDB [perbankan]> select * from rekening;
+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUB | 7777 | 1000000 |
| 108 | BRUB | 8888 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 1010 | BRUY | 1234 | 550000 |
| 1011 | BRUK | 4321 | 150000 |
| 1012 | BRUK | 123 | 300000 |
| 1013 | BRUY | 8888 | 255000 |
| 1020 | BRUS | 2222 | 350000 |
| 1030 | BRUS | 3333 | 750000 |
| 1040 | BRUM | 4444 | 900000 |
| 1050 | BRUM | 5555 | 2000000 |
| 1060 | BRUS | 6666 | 3000000 |
| 1070 | BRUB | 7777 | 1000000 |
| 1080 | BRUB | 8888 | 5000000 |
| 1090 | BRUB | 9999 | 0 |
| 1110 | BRUY | 1234 | 550000 |
| 1111 | BRUK | 4321 | 150000 |
| 1112 | BRUK | 123 | 300000 |
| 1113 | BRUY | 8888 | 255000 |
+-----+-----+-----+
25 rows in set (0.00 sec)

MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 104 |
| 2 | 103 |
| 3 | 105 |
| 3 | 106 |
| 4 | 101 |
| 4 | 107 |
| 5 | 102 |
| 5 | 107 |
+-----+-----+
```

25 rows in set

```
ca Command Prompt - mysql -u root
MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1             | 104          |
| 2             | 103          |
| 3             | 105          |
| 3             | 106          |
| 4             | 101          |
| 4             | 107          |
| 5             | 102          |
| 5             | 107          |
| 6             | 109          |
| 7             | 109          |
| 8             | 112          |
| 8             | 1101         |
| 9             | 110          |
| 10            | 108          |
| 10            | 113          |
| 11            | 103          |
| 12            | 122          |
| 13            | 136          |
| 13            | 144          |
| 14            | 112          |
| 14            | 123          |
| 15            | 101          |
| 15            | 106          |
| 16            | 131          |
| 17            | 102          |
| 18            | 117          |
| 18            | 1121         |
| 19            | 114          |
| 20            | 105          |
| 20            | 115          |
+-----+-----+
30 rows in set (0.00 sec)

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal       | jumlah      |
+-----+-----+-----+-----+-----+
| 1             | 3             | 105           | debit           | 2019-03-27 18:18:13 | 50000       |
| 2             | 2             | 103           | debit           | 2019-03-27 18:18:13 | 20000       |
| 3             | 4             | 103           | debit           | 2019-03-27 18:18:13 | 40000       |
| 4             | 3             | 106           | debit           | 2019-03-27 18:18:13 | 50000       |
| 5             | 5             | 107           | kredit          | 2019-03-27 18:18:13 | 30000       |
| 6             | 1             | 104           | kredit          | 2019-03-27 18:18:13 | 200000      |
| 7             | 9             | 110           | kredit          | 2019-03-27 18:18:13 | 150000      |
| 8             | 5             | 102           | debit           | 2019-03-27 18:18:13 | 20000       |
| 9             | 3             | 105           | kredit          | 2019-03-27 18:18:13 | 50000       |
| 10            | 4             | 107           | debit           | 2019-03-27 18:18:13 | 100000      |
| 11            | 2             | 103           | debit           | 2019-03-27 18:18:13 | 100000      |
| 12            | 1             | 104           | debit           | 2019-03-27 18:18:13 | 50000       |
| 13            | 4             | 107           | kredit          | 2019-03-27 18:18:13 | 200000      |
| 14            | 3             | 105           | debit           | 2019-03-27 18:18:13 | 40000       |
| 15            | 1             | 104           | kredit          | 2019-03-27 18:18:13 | 100000      |
| 16            | 4             | 101           | kredit          | 2019-03-27 18:18:14 | 20000       |
| 17            | 2             | 103           | debit           | 2019-03-27 18:18:14 | 50000       |
| 18            | 5             | 102           | debit           | 2019-03-27 18:18:14 | 50000       |
| 19            | 10            | 108           | debit           | 2019-03-27 18:18:14 | 100000      |
| 20            | 3             | 106           | kredit          | 2019-03-27 18:18:14 | 50000       |
| 21            | 2             | 103           | kredit          | 2019-03-27 18:18:14 | 200000      |
| 22            | 3             | 105           | kredit          | 2019-03-27 18:18:14 | 100000      |
| 23            | 5             | 102           | debit           | 2019-03-27 18:18:14 | 20000       |
| 24            | 1             | 104           | debit           | 2019-03-27 18:18:14 | 50000       |
| 25            | 2             | 103           | debit           | 2019-03-27 18:18:14 | 40000       |
| 26            | 4             | 101           | debit           | 2019-03-27 18:18:14 | 50000       |
| 27            | 2             | 103           | kredit          | 2019-03-27 18:18:14 | 100000      |
| 28            | 5             | 102           | kredit          | 2019-03-27 18:18:14 | 200000      |
| 29            | 7             | 109           | debit           | 2019-03-27 18:18:14 | 100000      |
| 30            | 9             | 110           | debit           | 2019-03-27 18:18:14 | 20000       |
| 31            | 2             | 103           | debit           | 2019-03-27 18:18:14 | 100000      |
| 32            | 1             | 104           | debit           | 2019-03-27 18:18:14 | 50000       |
| 33            | 4             | 107           | kredit          | 2019-03-27 18:18:14 | 200000      |
| 34            | 3             | 105           | debit           | 2019-03-27 18:18:14 | 40000       |
| 35            | 1             | 104           | kredit          | 2019-03-27 18:18:14 | 100000      |
| 36            | 4             | 101           | kredit          | 2019-03-27 18:18:15 | 24000       |
| 37            | 2             | 103           | debit           | 2019-03-27 18:18:15 | 54000       |
| 38            | 5             | 109           | debit           | 2019-03-27 18:18:15 | 55000       |
| 39            | 10            | 101           | debit           | 2019-03-27 18:18:15 | 1450000     |
| 40            | 3             | 112           | kredit          | 2019-03-27 18:18:15 | 55000       |
+-----+-----+-----+-----+-----+
```

30 rows in set

```
ca Command Prompt - mysql -u root
MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal       | jumlah      |
+-----+-----+-----+-----+-----+
| 1             | 3             | 105           | debit           | 2019-03-27 18:18:13 | 50000       |
| 2             | 2             | 103           | debit           | 2019-03-27 18:18:13 | 40000       |
| 3             | 4             | 101           | kredit          | 2019-03-27 18:18:13 | 20000       |
| 4             | 3             | 106           | debit           | 2019-03-27 18:18:13 | 50000       |
| 5             | 5             | 107           | kredit          | 2019-03-27 18:18:13 | 30000       |
| 6             | 1             | 104           | kredit          | 2019-03-27 18:18:13 | 200000      |
| 7             | 9             | 110           | kredit          | 2019-03-27 18:18:13 | 150000      |
| 8             | 5             | 102           | debit           | 2019-03-27 18:18:13 | 20000       |
| 9             | 3             | 105           | kredit          | 2019-03-27 18:18:13 | 50000       |
| 10            | 4             | 107           | debit           | 2019-03-27 18:18:13 | 100000      |
| 11            | 2             | 103           | debit           | 2019-03-27 18:18:13 | 100000      |
| 12            | 1             | 104           | debit           | 2019-03-27 18:18:13 | 50000       |
| 13            | 4             | 107           | kredit          | 2019-03-27 18:18:13 | 200000      |
| 14            | 3             | 105           | debit           | 2019-03-27 18:18:13 | 40000       |
| 15            | 1             | 104           | kredit          | 2019-03-27 18:18:13 | 100000      |
| 16            | 4             | 101           | kredit          | 2019-03-27 18:18:14 | 20000       |
| 17            | 2             | 103           | debit           | 2019-03-27 18:18:14 | 50000       |
| 18            | 5             | 102           | debit           | 2019-03-27 18:18:14 | 50000       |
| 19            | 10            | 108           | debit           | 2019-03-27 18:18:14 | 100000      |
| 20            | 3             | 106           | kredit          | 2019-03-27 18:18:14 | 50000       |
| 21            | 2             | 103           | kredit          | 2019-03-27 18:18:14 | 200000      |
| 22            | 3             | 105           | kredit          | 2019-03-27 18:18:14 | 100000      |
| 23            | 5             | 102           | debit           | 2019-03-27 18:18:14 | 20000       |
| 24            | 1             | 104           | debit           | 2019-03-27 18:18:14 | 50000       |
| 25            | 2             | 103           | debit           | 2019-03-27 18:18:14 | 40000       |
| 26            | 4             | 101           | debit           | 2019-03-27 18:18:14 | 50000       |
| 27            | 2             | 103           | kredit          | 2019-03-27 18:18:14 | 100000      |
| 28            | 5             | 102           | kredit          | 2019-03-27 18:18:14 | 200000      |
| 29            | 7             | 109           | debit           | 2019-03-27 18:18:14 | 100000      |
| 30            | 9             | 110           | debit           | 2019-03-27 18:18:14 | 20000       |
| 31            | 2             | 103           | debit           | 2019-03-27 18:18:14 | 100000      |
| 32            | 1             | 104           | debit           | 2019-03-27 18:18:14 | 50000       |
| 33            | 4             | 107           | kredit          | 2019-03-27 18:18:14 | 200000      |
| 34            | 3             | 105           | debit           | 2019-03-27 18:18:14 | 40000       |
| 35            | 1             | 104           | kredit          | 2019-03-27 18:18:14 | 100000      |
| 36            | 4             | 101           | kredit          | 2019-03-27 18:18:15 | 24000       |
| 37            | 2             | 103           | debit           | 2019-03-27 18:18:15 | 54000       |
| 38            | 5             | 109           | debit           | 2019-03-27 18:18:15 | 55000       |
| 39            | 10            | 101           | debit           | 2019-03-27 18:18:15 | 1450000     |
| 40            | 3             | 112           | kredit          | 2019-03-27 18:18:15 | 55000       |
+-----+-----+-----+-----+-----+
```

```

Command Prompt - mysql -u root
+-----+-----+-----+-----+-----+-----+
| 16   | 4   | 101  | kredit | 2019-03-27 18:18:14 | 20000 |
| 17   | 2   | 103  | debit  | 2019-03-27 18:18:14 | 50000 |
| 18   | 5   | 102  | debit  | 2019-03-27 18:18:14 | 50000 |
| 19   | 10  | 108  | debit  | 2019-03-27 18:18:14 | 100000 |
| 20   | 3   | 106  | kredit | 2019-03-27 18:18:14 | 50000 |
| 21   | 2   | 103  | kredit | 2019-03-27 18:18:14 | 200000 |
| 22   | 3   | 105  | kredit | 2019-03-27 18:18:14 | 100000 |
| 23   | 5   | 102  | debit  | 2019-03-27 18:18:14 | 20000 |
| 24   | 1   | 104  | debit  | 2019-03-27 18:18:14 | 50000 |
| 25   | 2   | 103  | debit  | 2019-03-27 18:18:14 | 40000 |
| 26   | 4   | 101  | debit  | 2019-03-27 18:18:14 | 50000 |
| 27   | 2   | 103  | kredit | 2019-03-27 18:18:14 | 100000 |
| 28   | 5   | 102  | kredit | 2019-03-27 18:18:14 | 200000 |
| 29   | 7   | 109  | debit  | 2019-03-27 18:18:14 | 100000 |
| 30   | 9   | 110  | debit  | 2019-03-27 18:18:14 | 20000 |
| 31   | 2   | 103  | debit  | 2019-03-27 18:18:14 | 100000 |
| 32   | 1   | 104  | debit  | 2019-03-27 18:18:14 | 50000 |
| 33   | 4   | 107  | kredit | 2019-03-27 18:18:14 | 200000 |
| 34   | 3   | 105  | debit  | 2019-03-27 18:18:14 | 40000 |
| 35   | 1   | 104  | kredit | 2019-03-27 18:18:14 | 100000 |
| 36   | 4   | 101  | kredit | 2019-03-27 18:18:14 | 24000 |
| 37   | 2   | 103  | debit  | 2019-03-27 18:18:15 | 54000 |
| 38   | 5   | 109  | debit  | 2019-03-27 18:18:15 | 55000 |
| 39   | 10  | 101  | debit  | 2019-03-27 18:18:15 | 1450000 |
| 40   | 3   | 112  | kredit | 2019-03-27 18:18:15 | 55000 |
| 41   | 2   | 103  | kredit | 2019-03-27 18:18:15 | 230000 |
| 42   | 3   | 105  | kredit | 2019-03-27 18:18:15 | 150000 |
| 43   | 5   | 102  | debit  | 2019-03-27 18:18:15 | 25000 |
| 44   | 7   | 104  | debit  | 2019-03-27 18:18:15 | 565000 |
| 45   | 9   | 103  | debit  | 2019-03-27 18:18:15 | 465000 |
| 46   | 3   | 121  | debit  | 2019-03-27 18:18:15 | 56000 |
| 47   | 2   | 133  | kredit | 2019-03-27 18:18:15 | 500000 |
| 48   | 5   | 142  | kredit | 2019-03-27 18:18:15 | 400000 |
| 49   | 7   | 109  | debit  | 2019-03-27 18:18:15 | 120000 |
| 50   | 9   | 110  | debit  | 2019-03-27 18:18:15 | 23000 |
+-----+-----+-----+-----+-----+
50 rows in set (0.02 sec)

MariaDB [perbankan]> 

```

50 rows in set

localhost :

The screenshot shows the phpMyAdmin interface for the 'cabang_bank' table in the 'perbankan' database. The table has three columns: 'kode_cabang', 'nama_cabang', and 'alamat_cabang'. The data is as follows:

	kode_cabang	nama_cabang	alamat_cabang
1	BRUB	Bank Rut Unit Boyolali	Jl. Karang 55
2	BRUBE	Bank Rut Unit Bendosari	Jl. Bendosari 23
3	BRUBEK	Bank Rut Unit Bekonang	Jl. Bekonang 45
4	BRUJ	Bank Rut Unit Jaten	Jl. Jaten 12
5	BRUK	Bank Rut Unit Klaten	Jl. Mawar 29
6	BRUM	Bank Rut Unit Magelang	Jl. Pandan 66
7	BRUP	Bank Rut Unit Palur	Jl. Palur 21
8	BRUPOL	Bank Rut Unit Polokarto	Jl. Godog 18
9	BRUS	Bank Rut Unit Surakarta	Jl. Slamet Riyadi 8
10	BRUSUK	Bank Rut Unit Sukoharjo	Jl. Gayam 63
11	BRUW	Bank Rut Unit Wonogiri	Jl. Suropati 12
12	BRUY	Bank Rut Unit Yogyakarta	Jl. Melati 21

localhost / 127.0.0.1 / perbankan

phpMyAdmin

Server: 127.0.0.1 » Database: perbankan » Table: nasabah

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

id_nasabah nama_nasabah alamat_nasabah

1	Sutopo	Jl. Jend Sudiman 12
2	Maryati	Jl. Melati 31
3	Parman	Jl. Mawar 81
4	Tika Padma	Jl. Manggis 15
5	Budi Eko Prayoga	Jl. Kantil 30
6	Satria Eka Jaya	Jl. Slamti Riyadi 45
7	Indri Hapsari	Jl. Sutoyo 5
8	Sari Murti	Jl. Pangandaran 1
9	Canka Lokananta	Jl. Tidar 86
10	Budi Murtono	Jl. Morat 22
11	Prakoso	Jl. Malang 17
12	Yati	Jl. Harsono 20
13	Eko	Jl. Cut 41
14	Andi	Jl. Anggur 39
15	Yoga	Jl. Jeruk 37
16	Eka	Jl. Riyadi 65
17	Kartika	Jl. Sutopo 8
18	Sari Putri	Jl. Jangkrik 15
19	Bagus	Jl. Semut 86

localhost / 127.0.0.1 / perbankan

phpMyAdmin

Server: 127.0.0.1 » Database: perbankan » Table: nasabah_has_rekening

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

id_nasabahFK no_rekeningFK

1	104
2	103
3	105
3	106
4	101
4	107
5	102
5	107
6	109
7	109
8	112
8	1101
9	110
10	108
10	113
11	103
12	122
13	136
13	144
14	112

localhost / 127.0.0.1 / perbankan

phpMyAdmin

Server: 127.0.0.1 » Database: perbankan » Table: rekening

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

no_rekening kode_cabangFK pln saldo

101	BRUS	1111	500000
102	BRUS	2222	350000
103	BRUS	3333	750000
104	BRUM	4444	900000
105	BRUM	5555	2000000
106	BRUS	6666	3000000
107	BRUB	7777	1000000
108	BRUP	8888	500000
109	BRUB	9999	0
1010	BRUY	1234	550000
1011	BRUK	4321	150000
1012	BRUK	123	300000
1013	BRUY	8888	255000
1020	BRUS	2222	350000
1030	BRUS	3333	750000
1040	BRUM	4444	900000
1050	BRUM	5555	2000000
1060	BRUS	6666	3000000
1070	BRUB	7777	1000000
1090	RRIR	8888	500000

localhost / 127.0.0.1 / perbank

localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=transaksi&pos=0

Google Mobile bookmarks

Recent Favorites

New information_schema mahasiswa mysql perbankan New cabang_bank nasabah nasabah_has_rekening rekening transaksi performance_schema phpmyadmin test

Server: 127.0.0.1 » Database: perbankan » Table: transaksi

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

	no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
<input type="checkbox"/>	1	3	105	debit	2019-03-27 18:18:13	50000
<input type="checkbox"/>	2	2	103	debit	2019-03-27 18:18:13	40000
<input type="checkbox"/>	3	4	101	kredit	2019-03-27 18:18:13	20000
<input type="checkbox"/>	4	3	106	debit	2019-03-27 18:18:13	50000
<input type="checkbox"/>	5	5	107	kredit	2019-03-27 18:18:13	30000
<input type="checkbox"/>	6	1	104	kredit	2019-03-27 18:18:13	200000
<input type="checkbox"/>	7	9	110	kredit	2019-03-27 18:18:13	150000
<input type="checkbox"/>	8	5	102	debit	2019-03-27 18:18:13	20000
<input type="checkbox"/>	9	3	105	kredit	2019-03-27 18:18:13	50000
<input type="checkbox"/>	10	4	107	debit	2019-03-27 18:18:13	100000
<input type="checkbox"/>	11	2	103	debit	2019-03-27 18:18:14	100000
<input type="checkbox"/>	12	1	104	debit	2019-03-27 18:18:14	50000
<input type="checkbox"/>	13	4	107	kredit	2019-03-27 18:18:14	200000
<input type="checkbox"/>	14	3	105	debit	2019-03-27 18:18:14	40000
<input type="checkbox"/>	15	1	104	kredit	2019-03-27 18:18:14	100000
<input type="checkbox"/>	16	4	101	kredit	2019-03-27 18:18:14	20000
<input type="checkbox"/>	17	2	103	debit	2019-03-27 18:18:14	50000
<input type="checkbox"/>	18	5	102	debit	2019-03-27 18:18:14	50000
<input type="checkbox"/>	19	10	108	debit	2019-03-27 18:18:14	100000
<input checked="" type="checkbox"/>	20	3	106	kredit	2019-03-27 18:18:14	50000

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 6 (Query Standart dan Variasinya)

NAMA : Sugiyo
NIM : L200170002
KELAS : A

2.3

```
mysql Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by n
ama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Andara      | Jl. Pertama 26
| Bening       | Jl. Agatis 10
| Budi Eko Prayogo | Jl. Kantil 30
| Budi Martono   | Jl. Merak 22
| Canka Lokananta | Jl. Tidar 86
| Cinta          | Jl. Ketiga 24
| Danindya     | Jl. Aki Balak 22
| Kartika Padmasari | Jl. Manggis 15
| Khatulistiawara | Jl. Ir. Soekarno 12
| Maryati        | Jl. MT Haryono 31
| Muliana       | Jl. Jend. Sudirman 97
| Pandan Wangi   | Jl. Iman Bonjol 20
| Puput          | Jl. AMD 10
| Putri          | Jl. Diponegoro 19
| Rangga         | Jl. Kedua 80
| Sari Murti     | Jl. Pangandaran 11
| Satria Eka Jaya | Jl. Slamet Riyadi 45
| Suparman       | Jl. Hasanudin 81
| Sutopo         | Jl. Jendral Sudirman 12
| Trianandya    | Jl. Sutoyo 5
+-----+-----+
20 rows in set (0.00 sec)

MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi where jenis_t
ransaksi = "kredit";
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| kredit          | 200000
| kredit          | 300000
| kredit          | 2000000
| kredit          | 1500000
| kredit          | 500000
| kredit          | 2000000
| kredit          | 1000000
| kredit          | 20000
| kredit          | 50000
| kredit          | 2000000
| kredit          | 1000000
| kredit          | 1000000
| kredit          | 2000000
| kredit          | 20000
| kredit          | 25000
| kredit          | 50000
| kredit          | 50000
| kredit          | 50000
| kredit          | 125000
| kredit          | 125000
| kredit          | 175000
| kredit          | 80000
| kredit          | 130000
| kredit          | 150000
+-----+-----+
```

3. 4. 5.

```

c:\ Command Prompt - mysql -u root -p
+-----+-----+-----+-----+
| 43   |    12 |    121 | kredit   | 2009-12-14 00:00:00 |
| 44   |    16 |    118 | debit     | 2009-12-15 00:00:00 |
| 45   |    13 |    117 | debit     | 2009-12-15 00:00:00 |
| 46   |    14 |    120 | kredit   | 2009-12-16 00:00:00 |
| 47   |    17 |    115 | kredit   | 2009-12-17 00:00:00 |
| 48   |    10 |    113 | kredit   | 2009-12-18 00:00:00 |
| 49   |    11 |    122 | debit     | 2009-12-19 00:00:00 |
| 50   |    12 |    114 | kredit   | 2009-12-20 00:00:00 |
+-----+-----+-----+-----+
50 rows in set <0.00 sec>

MariaDB [perbankan1] > select jenis_transaksi, jumlah from transaksi where tanggal = "2009-11-21 00:00:00" order by jumlah;
+-----+-----+
| jenis_transaksi | jumlah |
| debit           | 40000  |
+-----+-----+
1 row in set <0.00 sec>

MariaDB [perbankan1] > select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where nasabah.id_nasabah = transaksi.id_nasabahFK and jumlah = 20000;
+-----+-----+-----+
| nama_nasabah   | jenis_transaksi | jumlah |
| Kartika Padmasari | kredit       | 20000  |
| Budi Eko Prayogo | debit        | 20000  |
| Kartika Padmasari | kredit       | 20000  |
| Budi Eko Prayogo | debit        | 20000  |
| Canka Lokananta | debit        | 20000  |
| Puput            | kredit       | 20000  |
+-----+-----+-----+
6 rows in set <0.00 sec>

MariaDB [perbankan1] > select nama_nasabah, jenis_transaksi, jumlah from nasabah where nama_nasabah like "su%"; ERROR 1054 (42S22): Unknown column 'jenis_transaksi' in 'field list'
MariaDB [perbankan1] > select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like "su%"; +-----+-----+
| nama_nasabah   | alamat_nasabah |
| Sutopo         | Jl. Jendral Sudirman 12 |
| Suparman       | Jl. Hasanudin 81      |
+-----+-----+
2 rows in set <0.00 sec>

MariaDB [perbankan1] >

```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 7 (JOIN)

NAMA : Sugiyo
NIM : L200170002
KELAS : A

```
Command Prompt - mysql -u root

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah, jenis_transaksi, jumlah
    h from nasabah, transaksi where jenis_transaksi = 'kredit' and nasabah.id_nasaba
h = transaksi.id_nasabahFK order by nama_nasabah;
+-----+-----+-----+-----+
| nama_nasabah | alamat_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| Budi Eko Prayogo | Jl. Kantil 30 | kredit | 30000 |
| Budi Eko Prayogo | Jl. Kantil 30 | kredit | 200000 |
| Budi Martono | Jl. Merak 22 | kredit | 130000 |
| Canka Lokananta | Jl. Tidar 86 | kredit | 150000 |
| Danindya | Jl. Aki Balak 22 | kredit | 25000 |
| Danindya | Jl. Aki Balak 22 | kredit | 50000 |
| Kartika Padmasari | Jl. Manggis 15 | kredit | 20000 |
| Kartika Padmasari | Jl. Manggis 15 | kredit | 20000 |
| Kartika Padmasari | Jl. Manggis 15 | kredit | 200000 |
| Maryati | Jl. MT Haryono 31 | kredit | 100000 |
| Maryati | Jl. MT Haryono 31 | kredit | 200000 |
| Pandan Wangi | Jl. Imam Bonjol 20 | kredit | 50000 |
| Pandan Wangi | Jl. Imam Bonjol 20 | kredit | 80000 |
| Puput | Jl. AMD 10 | kredit | 150000 |
| Puput | Jl. AMD 10 | kredit | 20000 |
| Puput | Jl. AMD 10 | kredit | 125000 |
| Puput | Jl. AMD 10 | kredit | 125000 |
| Putri | Jl. Diponegoro 19 | kredit | 175000 |
| Putri | Jl. Diponegoro 19 | kredit | 50000 |
| Suparman | Jl. Hasanudin 81 | kredit | 100000 |
| Suparman | Jl. Hasanudin 81 | kredit | 50000 |
| Suparman | Jl. Hasanudin 81 | kredit | 50000 |
| Sutopo | Jl. Jendral Sudirman 12 | kredit | 100000 |
| Sutopo | Jl. Jendral Sudirman 12 | kredit | 200000 |
+-----+-----+-----+-----+
24 rows in set <0.00 sec>

MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM rekening, nasabah, transaksi WHERE rekening.no_rekening= transaksi.no_rekeningFK AND nasabah.id_nasabah = transaksi.id_nasabahFK AND tanggal= '2009-11-21' ORDER BY nama_nasabah;
+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| 105 | Suparman | debit | 40000 |
+-----+-----+-----+-----+
1 row in set <0.00 sec>

MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM rekening, nasabah, transaksi WHERE rekening.no_rekening= transaksi.no_rekeningFK AND nasabah.id_nasabah = transaksi.id_nasabahFK AND jumlah = '20000';
+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| 101 | Kartika Padmasari | kredit | 20000 |
| 102 | Budi Eko Prayogo | debit | 20000 |
| 101 | Kartika Padmasari | kredit | 20000 |
| 102 | Budi Eko Prayogo | debit | 20000 |
| 110 | Canka Lokananta | debit | 20000 |
+-----+-----+-----+-----+
```

```

ca Command Prompt - mysql -u root
MariaDB [perbankan] > select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM rekening, nasabah, transaksi WHERE rekening.no_rekening=transaksi.no_rekeningFK AND nasabah.id_nasabah = transaksi.id_nasabahFK AND jumlah = '20000';
+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| 101 | Kartika Padmasari | kredit | 20000 |
| 102 | Budi Eko Prayogo | debit | 20000 |
| 101 | Kartika Padmasari | kredit | 20000 |
| 102 | Budi Eko Prayogo | debit | 20000 |
| 110 | Canka Lokananta | debit | 20000 |
| 114 | Puput | kredit | 20000 |
+-----+-----+-----+-----+
6 rows in set <0.00 sec>

MariaDB [perbankan] > select no_rekening, nama_nasabah, alamat_nasabah FROM nasabah, rekening, nasabah_has_rekening WHERE nasabah.id_nasabah= nasabah_has_rekening.id_nasabahFK AND rekening.no_rekening = nasabah_has_rekening.no_rekeningFK AND nama_nasabah like 'su%';
+-----+-----+-----+
| no_rekening | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 104 | Sutopo | Jl. Jendral Sudirman 12 |
| 105 | Suparman | Jl. Hasanudin 81 |
| 106 | Suparman | Jl. Hasanudin 81 |
+-----+-----+-----+
3 rows in set <0.01 sec>

MariaDB [perbankan] > select no_rekening as 'Nomor Rekening', nama_nasabah as 'Nama Nasabah', jumlah as 'Jumlah Transaksi' FROM rekening, nasabah, transaksi WHERE rekening.no_rekening=transaksi.no_rekeningFK AND nasabah.id_nasabah= transaksi.id_nasabahFK AND jenis_transaksi = 'debit' ORDER BY nama_nasabah;
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 'AND nasabah.id_nasabah= transaksi.id_nasabahFK AND jenis_transaksi = 'debit'', OR a
t line 1
MariaDB [perbankan] > select no_rekening as 'Nomor Rekening', nama_nasabah as 'Nama Nasabah', jumlah as 'Jumlah Transaksi' FROM rekening, nasabah, transaksi WHERE rekening.no_rekening=transaksi.no_rekeningFK AND nasabah.id_nasabah= transaksi.id_nasabahFK AND jenis_transaksi = 'debit' ORDER BY nama_nasabah;
+-----+-----+-----+
| Nomor Rekening | Nama Nasabah | Jumlah Transaksi |
+-----+-----+-----+
| 116 | Bening | 100000 |
| 102 | Budi Eko Prayogo | 50000 |
| 102 | Budi Eko Prayogo | 20000 |
| 102 | Budi Eko Prayogo | 20000 |
| 119 | Budi Martono | 100000 |
| 108 | Budi Martono | 100000 |
| 110 | Canka Lokananta | 20000 |
| 123 | Danindya | 200000 |
| 122 | Danindya | 200000 |
| 107 | Kartika Padmasari | 100000 |
| 101 | Kartika Padmasari | 50000 |
| 118 | Khatulistyawara | 200000 |
| 118 | Khatulistyawara | 100000 |
| 118 | Khatulistyawara | 150000 |
| 103 | Maryati | 40000 |
| 103 | Maryati | 100000 |
| 103 | Maryati | 40000 |
| 103 | Maryati | 50000 |
| 117 | Muliana | 50000 |
| 117 | Muliana | 50000 |
| 105 | Suparman | 50000 |
| 106 | Suparman | 50000 |
| 105 | Suparman | 40000 |
| 104 | Sutopo | 50000 |
| 104 | Sutopo | 50000 |
| 109 | Trianandya | 100000 |
+-----+-----+-----+
26 rows in set <0.00 sec>
```

```

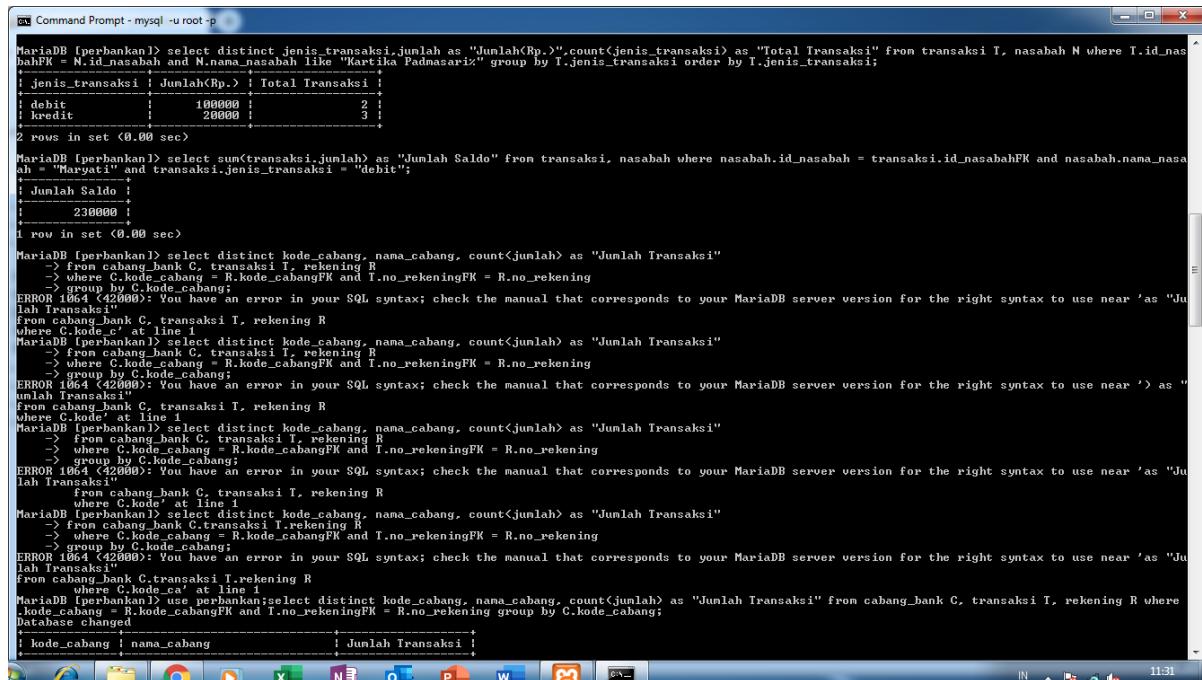
ca Command Prompt - mysql -u root
t line 1
MariaDB [perbankan] > select no_rekening as 'Nomor Rekening', nama_nasabah as 'Nama Nasabah', jumlah as 'Jumlah Transaksi' FROM rekening, nasabah, transaksi WHERE rekening.no_rekening=transaksi.no_rekeningFK AND nasabah.id_nasabah= transaksi.id_nasabahFK AND jenis_transaksi = 'debit' ORDER BY nama_nasabah;
+-----+-----+-----+
| Nomor Rekening | Nama Nasabah | Jumlah Transaksi |
+-----+-----+-----+
| 116 | Bening | 100000 |
| 102 | Budi Eko Prayogo | 50000 |
| 102 | Budi Eko Prayogo | 20000 |
| 102 | Budi Eko Prayogo | 20000 |
| 119 | Budi Martono | 100000 |
| 108 | Budi Martono | 100000 |
| 110 | Canka Lokananta | 20000 |
| 123 | Danindya | 200000 |
| 122 | Danindya | 200000 |
| 107 | Kartika Padmasari | 100000 |
| 101 | Kartika Padmasari | 50000 |
| 118 | Khatulistyawara | 200000 |
| 118 | Khatulistyawara | 100000 |
| 118 | Khatulistyawara | 150000 |
| 103 | Maryati | 40000 |
| 103 | Maryati | 100000 |
| 103 | Maryati | 40000 |
| 103 | Maryati | 50000 |
| 117 | Muliana | 50000 |
| 117 | Muliana | 50000 |
| 105 | Suparman | 50000 |
| 106 | Suparman | 50000 |
| 105 | Suparman | 40000 |
| 104 | Sutopo | 50000 |
| 104 | Sutopo | 50000 |
| 109 | Trianandya | 100000 |
+-----+-----+-----+
26 rows in set <0.00 sec>

MariaDB [perbankan] >
```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 8 (Agregasi)

NAMA : Sugiyono
NIM : L200170002
KELAS : A



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

MariaDB [perbankan]> select distinct jenis_transaksi.jumlah as "Jumlah(Rp.)",count(jenis_transaksi) as "Total Transaksi" from transaksi T, nasabah N where T.id_nasabahFK = N.id_nasabah and N.nama_nasabah like "%Kartika Padmasari%" group by T.Jenis_transaksi order by T.Jenis_transaksi;
+-----+-----+
| Jumlah(Rp.) | Total Transaksi |
+-----+-----+
|      100000 |          3       |
|      28899  |          3       |
+-----+-----+
2 rows in set <0.00 sec>

MariaDB [perbankan]> select sum(transaksi.jumlah) as "Jumlah Saldo" from transaksi, nasabah where nasabah.id_nasabah = transaksi.id_nasabahFK and nasabah.nama_nasabah = "Maryati" and transaksi.jenis_transaksi = "debit";
+-----+
| Jumlah Saldo |
+-----+
|      230000   |
+-----+
1 row in set <0.00 sec>

MariaDB [perbankan]> select distinct kode_cabang, nama_cabang, count(jumlah) as "Jumlah Transaksi"
-> from cabang_bank C, transaksi T, rekening R
-> where C.kode_cabang = R.kode_cabangFK and T.no_rekeningFK = R.no_rekening
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 'as "Jumlah Transaksi"' from cabang_bank C, transaksi T, rekening R
where C.kode_cabang at line 1
MariaDB [perbankan]> select distinct kode_cabang, nama_cabang, count(jumlah) as "Jumlah Transaksi"
-> from cabang_bank C, transaksi T, rekening R
-> where C.kode_cabang = R.kode_cabangFK and T.no_rekeningFK = R.no_rekening
-> group by C.kode_cabang;
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 '> as "Jumlah Transaksi"' from cabang_bank C, transaksi T, rekening R
where C.kode_cabang at line 1
MariaDB [perbankan]> select distinct kode_cabang, nama_cabang, count(jumlah) as "Jumlah Transaksi"
-> from cabang_bank C, transaksi T, rekening R
-> where C.kode_cabang = R.kode_cabangFK and T.no_rekeningFK = R.no_rekening
-> group by C.kode_cabang;
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 'as "Jumlah Transaksi"' from cabang_bank C, transaksi T, rekening R
where C.kode_cabang at line 1
MariaDB [perbankan]> use perbankan;select distinct kode_cabang, nama_cabang, count(jumlah) as "Jumlah Transaksi" from cabang_bank C, transaksi T, rekening R where kode_cabang = R.kode_cabangFK and T.no_rekeningFK = R.no_rekening group by C.kode_cabang;
Database changed
+-----+-----+
| kode_cabang | nama_cabang | Jumlah Transaksi |
+-----+-----+
|          1 |  nama_cabang |          3       |
+-----+-----+
```

```

Command Prompt - mysql -u root -p
MariaDB [perbankan] use perbankan;select distinct kode_cabang, nama_cabang, count(jumlah) as "Jumlah Transaksi" from cabang_bank C, transaksi T, rekening R where
kode_cabang = R.kode_cabangPK and T.no_rekeningPK = R.no_rekening group by C.kode_cabang;
+-----+-----+-----+
| kode_cabang | nama_cabang | Jumlah Transaksi |
+-----+-----+-----+
| BRUB | Bank Rut Unit Bojolali | 2 |
| BRUBA | Bank Rut Unit Balikpapan | 3 |
| BRUBE | Bank Rut Unit Berastagi | 2 |
| BRUBI | Bank Rut Unit Blitar | 1 |
| BRUKR | Bank Rut Unit Karanganyar | 3 |
| BRUM | Bank Rut Unit Magelang | 8 |
| BRUP | Bank Rut Unit Pontianak | 1 |
| BRUS | Bank Rut Unit Surakarta | 18 |
| BRUSA | Bank Rut Unit Samarinda | 2 |
| BRUSU | Bank Rut Unit Sukoharjo | 2 |
| BRUT | Bank Rut Unit Tarakan | 4 |
| BRUTA | Bank Rut Unit Tanjung Selor | 1 |
| BRUY | Bank Rut Unit Yogyakarta | 3 |
+-----+-----+-----+
13 rows in set (0.00 sec)

MariaDB [perbankan] select n.nama_nasabah, r.saldo as "Saldo"
-> from nasabah n, nasabah_has_rekening nbr, rekening r
-> where n.id_nasabah = nbr.id_nasabahFK
-> and r.no_rekening = nbr.no_rekeningFK
-> and r.saldo between 500000 and 2000000 group by n.id_nasabah;
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 'and id_nasabah' at line 5
MariaDB [perbankan] select n.nama_nasabah, r.saldo as "Saldo"
-> from nasabah n, nasabah_has_rekening nbr, rekening r
-> where n.id_nasabah = nbr.id_nasabahFK
-> and r.no_rekening = nbr.no_rekeningFK
-> and r.saldo between 500000 and 2000000 group by n.id_nasabah;
+-----+-----+
| nama_nasabah | Saldo |
+-----+-----+
| Sutopo | 900000 |
| Maryati | 750000 |
| Kartika Padmasari | 2000000 |
| Budi Eko Prayogo | 5000000 |
| Canka Lokananta | 10000000 |
| Danindya | 5500000 |
| Putri | 4000000 |
| Muliana | 2000000 |
| Putri | 5000000 |
+-----+-----+
10 rows in set (0.00 sec)

MariaDB [perbankan] select N.nama_nasabah as "Nama Nasabah", T.tanggal as "Tanggal", T.jumlah as "Jumlah <Rp.>"
-> from nasabah N,transaksi T
-> WHERE N.id_nasabah = T.id_nasabahFK and T.jumlah >= 100000 order by T.jumlah desc;
+-----+-----+-----+
| Nama Nasabah | Tanggal | Jumlah <Rp.> |
+-----+-----+-----+
| Sutopo | 2009-11-15 00:00:00 | 200000 |
+-----+-----+-----+
1 row in set (0.00 sec)

```

```

Command Prompt - mysql -u root -p
MariaDB [perbankan] select N.nama_nasabah as "Nama Nasabah", T.tanggal as "Tanggal", T.jumlah as "Jumlah <Rp.>"
-> from nasabah N,transaksi T
-> WHERE N.id_nasabah = T.id_nasabahFK and T.jumlah >= 100000 order by T.jumlah desc;
+-----+-----+-----+
| Nama Nasabah | Tanggal | Jumlah <Rp.> |
+-----+-----+-----+
| Sutopo | 2009-11-15 00:00:00 | 200000 |
| Maryati | 2009-11-28 00:00:00 | 200000 |
| Danindya | 2009-12-08 00:00:00 | 200000 |
| Budi Eko Prayogo | 2009-12-05 00:00:00 | 200000 |
| Kartika Padmasari | 2009-12-12 00:00:00 | 200000 |
| Khatulistiawara | 2009-12-15 00:00:00 | 200000 |
| Danindya | 2009-12-19 00:00:00 | 200000 |
| Putri | 2009-12-16 00:00:00 | 175000 |
| Maryati | 2009-12-13 00:00:00 | 150000 |
| Khatulistiawara | 2009-12-13 00:00:00 | 150000 |
| Canka Lokananta | 2009-11-15 00:00:00 | 150000 |
| Budi Martono | 2009-12-18 00:00:00 | 130000 |
| Apup | 2009-12-15 00:00:00 | 125000 |
| Putri | 2009-12-14 00:00:00 | 120000 |
| Kartika Padmasari | 2009-11-19 00:00:00 | 100000 |
| Maryati | 2009-11-19 00:00:00 | 100000 |
| Maryati | 2009-12-24 00:00:00 | 100000 |
| Budi Martono | 2009-11-22 00:00:00 | 100000 |
| Sutopo | 2009-12-11 00:00:00 | 100000 |
| Khatulistiawara | 2009-12-26 00:00:00 | 100000 |
| Budi Martono | 2009-11-26 00:00:00 | 100000 |
| Apup | 2009-12-26 00:00:00 | 100000 |
| Irianandya | 2009-12-05 00:00:00 | 100000 |
| Bening | 2009-12-08 00:00:00 | 100000 |
+-----+-----+-----+
24 rows in set (0.00 sec)

MariaDB [perbankan]

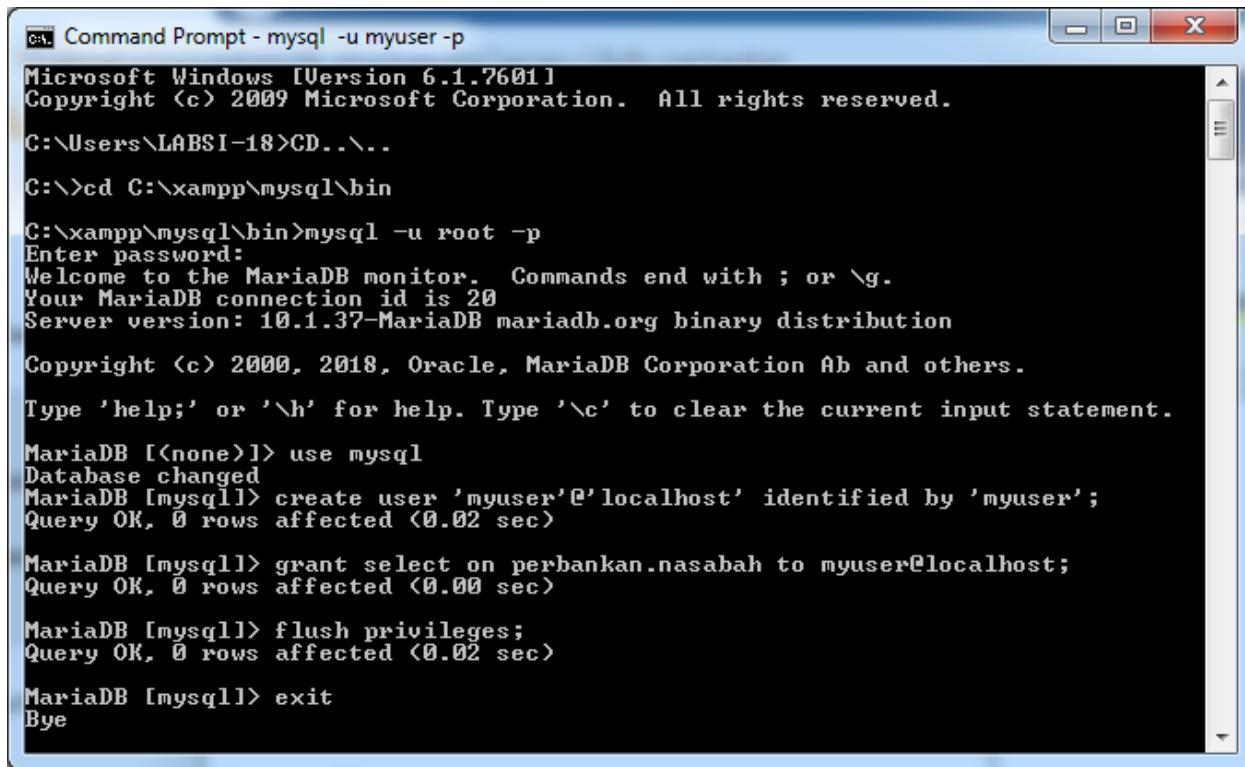
```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 9 (Data Control Language)

NAMA : Sugiyono
NIM : L200170002
KELAS : A

latihan



The screenshot shows a Windows Command Prompt window titled "Command Prompt - mysql -u myuser -p". The window displays the following MySQL session:

```
Microsoft Windows [Version 6.1.7601]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\LABSI-18>CD..\..
C:\>cd C:\xampp\mysql\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 20
Server version: 10.1.37-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>]> use mysql
Database changed
MariaDB [mysql]> create user 'myuser'@'localhost' identified by 'myuser';
Query OK, 0 rows affected (0.02 sec)

MariaDB [mysql]> grant select on perbankan.nasabah to myuser@localhost;
Query OK, 0 rows affected (0.00 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.02 sec)

MariaDB [mysql]> exit
Bye
```

```
C:\xampp\mysql\bin>mysql -u myuser -p
Enter password: *****
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 24
Server version: 10.1.37-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)]> use perbankan
Database changed
MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jalan Jendral Sudirman No,12 |
| 2 | Maryati | Jalan Jendral Sudirman No,12 |
| 3 | Suparman | Jalan Jendral Sudirman No,12 |
| 4 | Kartika Padmasari | Jalan Jendral Sudirman No,12 |
| 5 | Budi Eko Prayogo | Jalan Jendral Sudirman No,12 |
| 6 | Satria Eka Jaya | Jalan Jendral Sudirman No,12 |
| 7 | Trianandya | Jalan Jendral Sudirman No,12 |
| 8 | Sari Murti | Jalan Jendral Sudirman No,12 |
| 9 | Canka Lokananta | Jalan Jendral Sudirman No,12 |
| 10 | Budi Martono | Jalan Jendral Sudirman No,12 |
| 11 | Danindya | Jalan Jendral Sudirman No,12 |
| 12 | Puput | Jalan Jendral Sudirman No,12 |
| 13 | Muliana | Jalan Jendral Sudirman No,12 |
| 14 | Putri | Jalan Jendral Sudirman No,12 |
| 15 | Bening | Jalan Jendral Sudirman No,12 |
| 16 | Khatulistyawara | Jalan Jendral Sudirman No,12 |
| 17 | Pandan Wangi | Jalan Jendral Sudirman No,12 |
| 18 | Andara | Jalan Jendral Sudirman No,12 |
| 19 | Rangga | Jalan Jendral Sudirman No,12 |
| 20 | Cinta | Jalan Jendral Sudirman No,12 |
| 21 | naufal | Jalan Jendral Sudirman No,12 |
| 31 | Susilo | Jalan Jendral Sudirman No,12 |
| 98 | Dandung | Sukoharjo |
+-----+-----+-----+
23 rows in set <0.00 sec>
```

```
C:\xampp\mysql\bin>use mysql;
'use' is not recognized as an internal or external command,
operable program or batch file.

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 28
Server version: 10.1.37-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)]> use mysql;
Database changed
MariaDB [mysql]> create user 'myuser'@'localhost' identified by 'myuser';
ERROR 1396 (HY000): Operation CREATE USER failed for 'myuser'@'localhost'
MariaDB [mysql]> grant insert on perbankan.nasabah to myuser@localhost;
Query OK, 0 rows affected (0.00 sec)
```

```
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 30
Server version: 10.1.37-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)]> use mysql;
Database changed
MariaDB [mysql]> revoke select on perbankan.nasabah from myuser@localhost;
Query OK, 0 rows affected (0.02 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.00 sec)

MariaDB [mysql]> exit
Bye
```

```
C:\xampp\mysql\bin>mysql -u myuser -p
Enter password: ******
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 32
Server version: 10.1.37-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)]> use perbankan;
Database changed
MariaDB [perbankan]> select * from nasabah;
ERROR 1142 (42000): SELECT command denied to user 'myuser'@'localhost' for table
'nasabah'
MariaDB [perbankan]>
```

Tugas

```
ca Command Prompt - mysql -u gio -p
Bye
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 33
Server version: 10.1.37-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>]> use mysql
Database changed
MariaDB [mysql]> create user'gio'@'localhost' identified by'gio';
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> grant insert on perbankan.nasabah to gio@localhost;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> grant update on perbankan.nasabah to gio@localhost;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> grant delete on perbankan.nasabah to gio@localhost;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> grant select on perbankan.cabang_bank to gio@localhost;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected <0.00 sec>

MariaDB [mysql]> exit
Bye
```

```
ca Command Prompt - mysql -u gio -p
C:\xampp\mysql\bin>mysql -u gio -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 36
Server version: 10.1.37-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>]> use perbankan;
Database changed
MariaDB [perbankan]> select * from nasabah;
ERROR 1142 (<42000>): SELECT command denied to user 'gio'@'localhost' for table 'nasabah'
MariaDB [perbankan]> insert into nasabah values('36','Susio','Sukoharjo');
Query OK, 1 row affected <0.05 sec>

MariaDB [perbankan]> insert into cabang_bank values('66','gioso','Sukoharjo');
ERROR 1142 (<42000>): INSERT command denied to user 'gio'@'localhost' for table 'cabang_bank'
MariaDB [perbankan]> select into nasabah values('66','gioso','Sukoharjo');
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 'into nasabah values('66','gioso','Sukoharjo')' at line 1
MariaDB [perbankan]> _
```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 10 (SubQuery)

NAMA : Sugiyo
NIM : L200170002
KELAS : A

No 1 Menampilkan data mahasiswa yang tidak mengambil mata kuliah yang diambil secara acak

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

MariaDB [perbankan] > use perkuliahan;
Database changed
MariaDB [perkuliahan] > select * from mahasiswa where nim not in (select distinct
link_mahasiswa_matkul.nim from link_mahasiswa_matkul where kode_matkul = 'TIF00
4');
+-----+-----+-----+
| nim | nama | alamat | tgl_lahir |
+-----+-----+-----+
| L200150118 | Rina Kurniasari | Wonogiri | 1997-11-11 |
| L200150125 | Indra Bayu Candra Gupta | Wonogiri | 1993-08-28 |
+-----+-----+-----+
2 rows in set (0.03 sec)

MariaDB [perkuliahan] > select * from mahasiswa where nim not in (select distinct
link_mahasiswa_matkul.nim from link_mahasiswa_matkul where kode_matkul = 'TIF00
5');
+-----+-----+-----+
| nim | nama | alamat | tgl_lahir |
+-----+-----+-----+
| L200150118 | Rina Kurniasari | Wonogiri | 1997-11-11 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

No 2 Menampilkan data mahasiswa yang mengambil semua mata kuliah yang diampu oleh salah satu dosen.

```
Command Prompt - mysql -u root -p
MariaDB [perkuliahan1] > SELECT * from mahasiswa where nim in(select link_mahasiswa_nim from link_mahasiswa_matkul where kode_matkul in(select matkul.kode_matkul from matkul where kode_dosen = (select kode_dosen from dosen where kode_dosen = 'D002')));
+-----+-----+-----+-----+
| nim | nama | alamat | tgl_lahir |
+-----+-----+-----+-----+
| L200150088 | Khofa Prayoga | Pemalang | 1997-08-10 |
| L200150099 | Purwantinah | Salatiga | 1997-03-01 |
| L200150112 | Dwi Pratiwi Putri | Bangka Belitung | 1998-01-01 |
| L200150113 | Ismi Kameilia Najib Putri | Nusa Tenggara Barat | 1997-02-11 |
| L200150118 | Rina Kurniasari | Wonogiri | 1997-11-11 |
| L200150123 | Danindya Puput Muliana Putri | Kalimantan Timur | 1997-04-01 |
| L200150125 | Indra Bayu Candra Gupta | Wonogiri | 1993-08-28 |
| L200150127 | Lyon | Sukoharjo | 1995-12-01 |
| L200150128 | Sulthana Dzakira Drajat | Tangerang | 1998-01-14 |
| L200150129 | Fendy | Pekalongan | 1997-06-22 |
| L200150146 | Fakhrur Razi | Sukoharjo | 1997-04-23 |
| L200154001 | Khilyatin Ulin Fitri | Solo | 1997-10-05 |
+-----+-----+-----+-----+
12 rows in set <0.00 sec>

MariaDB [perkuliahan1] > SELECT mahasiswa.nim, mahasiswa.nama from mahasiswa where nim in(select link_mahasiswa_matkul.nim from link_mahasiswa_matkul where kode_matkul in(select matkul.kode_matkul from matkul where kode_dosen = (select kode_dosen from dosen where kode_dosen = 'D001')));
+-----+-----+
| nim | nama |
+-----+-----+
| L200150083 | Diyan Bima Saputra |
| L200150088 | Khofa Prayoga |
| L200150099 | Purwantinah |
| L200150112 | Dwi Pratiwi Putri |
| L200150113 | Ismi Kameilia Najib Putri |
| L200150117 | Widhiyanti Endang Saputri |
| L200150123 | Danindya Puput Muliana Putri |
| L200150125 | Indra Bayu Candra Gupta |
| L200150127 | Lyon |
| L200150128 | Sulthana Dzakira Drajat |
| L200150129 | Fendy |
| L200150144 | Sam'an Alghozy |
+-----+-----+
```

No 3. Melakukan update dengan menggunakan subquery, berdasarkan kasus sebagai berikut :

Karena mata kuliah A dihilangkan, maka seluruh mahasiswa yang mengambil matakuliah A dipindahkan untuk mengambil mata kuliah B.

```
MariaDB [kuliah1] > UPDATE mahasiswa_has_matakuliah
-> SET kode_mkFK = 'SBD4'
-> WHERE kode_mkFK IN
-> (SELECT kode_mk
-> FROM mata_kuliah
-> WHERE nama_mk = 'Jaringan Komputer');
Query OK, 1 row affected <0.09 sec>
Rows matched: 1 Changed: 1 Warnings: 0

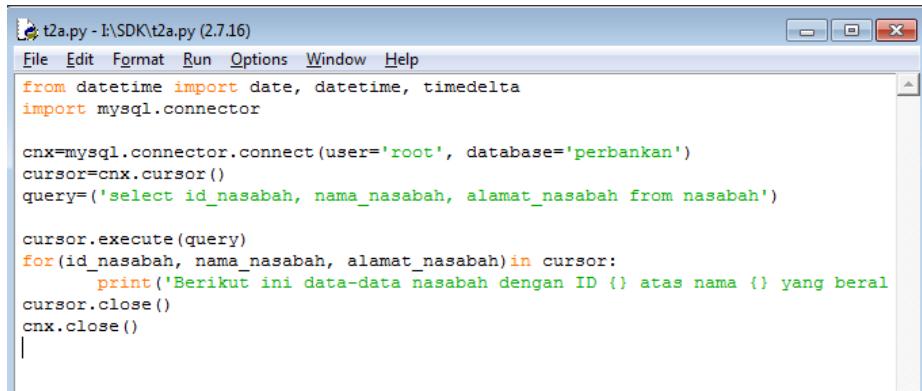
MariaDB [kuliah1] > SELECT * FROM mahasiswa_has_matakuliah;
+-----+-----+
| nim_mhsFK | kode_mkFK |
+-----+-----+
| L200110000 | RPL4 |
| L200120000 | ALSD4 |
| L200120000 | SBD4 |
| L200140000 | ALSD4 |
| L200150000 | SBD4 |
| L200160000 | LGH4 |
| L200160000 | RPL4 |
| L200170000 | SBD4 |
+-----+-----+
8 rows in set <0.00 sec>
```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 11 (MySQL dan Python)

NAMA : Sugiyono
NIM : L200170002
KELAS : A

Tugas.



```
t2a.py - I\SDK\t2a.py (2.7.16)
File Edit Format Run Options Window Help
from datetime import date, datetime, timedelta
import mysql.connector

cnx=mysql.connector.connect(user='root', database='perbankan')
cursor=cnx.cursor()
query=('select id_nasabah, nama_nasabah, alamat_nasabah from nasabah')

cursor.execute(query)
for(id_nasabah, nama_nasabah, alamat_nasabah)in cursor:
    print('Berikut ini data-data nasabah dengan ID {} atas nama {} yang beral'
cursor.close()
cnx.close()
```

Python 2.7.16 Shell

```
File Edit Shell Debug Options Window Help
Python 2.7.16 (v2.7.16:413a49145e, Mar  4 2019, 01:37:19) [MSC v.1500 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: I:\SDK\t2a.py =====
Berikut ini data-data nasabah dengan ID 1 atas nama Sutopo yang beralamat di Jl.
Jendral Sudirman 12
Berikut ini data-data nasabah dengan ID 2 atas nama Maryati yang beralamat di Jl
. MT. Haryono 31
Berikut ini data-data nasabah dengan ID 3 atas nama Suparman yang beralamat di J
l. Hasanudin 81
Berikut ini data-data nasabah dengan ID 4 atas nama Kartika Padmasari yang beral
amat di Jl. Manggis 15
Berikut ini data-data nasabah dengan ID 5 atas nama Budi Eko Prayogo yang bera
mat di Jl. Kantil 30
Berikut ini data-data nasabah dengan ID 6 atas nama Satria Eka Jaya yang beralam
at di Jl. Slamet Riyadi 45
Berikut ini data-data nasabah dengan ID 7 atas nama Indri Hapsari yang beralamat
di Jl. Sutoyo 5
Berikut ini data-data nasabah dengan ID 8 atas nama Sari Murti yang beralamat di
Jl. Pangandaran 11
Berikut ini data-data nasabah dengan ID 9 atas nama Canka Lokananta yang beralam
at di Jl. Tidar 86
Berikut ini data-data nasabah dengan ID 10 atas nama Budi Murtono yang beralamat
di Jl. Merak 22
Berikut ini data-data nasabah dengan ID 11 atas nama Joko Ndo Kondo yang beralam
at di Jl. Bareng jadian kagak
Berikut ini data-data nasabah dengan ID 12 atas nama Jon Koplo yang beralamat di
Jl. Angin Besar 12
Berikut ini data-data nasabah dengan ID 13 atas nama Anggit yang beralamat di So
lo
Berikut ini data-data nasabah dengan ID 15 atas nama Dimas yang beralamat di Sra
gen
Berikut ini data-data nasabah dengan ID 27 atas nama Somat yang beralamat di Jl.
Jendral Manggis 02
Berikut ini data-data nasabah dengan ID 31 atas nama Susilo yang beralamat di Su
koharjo
Berikut ini data-data nasabah dengan ID 33 atas nama Ilham yang beralamat di Nga
wi
Berikut ini data-data nasabah dengan ID 1000 atas nama Sutopo yang beralamat di
Jl. Jendral Sudirman
Berikut ini data-data nasabah dengan ID 2000 atas nama Maryati yang beralamat di
```

9:18 PM
5/28/2019

tugasd.py - I:\SDK\tugasd.py (2.7.16)

```
File Edit Format Run Options Window Help
from datetime import date, datetime, timedelta
import mysql.connector

cnx=mysql.connector.connect(user='root', database='perbankan')
cursor=cnx.cursor()
tanggal=datetime.now().date()
delete_transaksi=('delete from transaksi where id_nasabahFK=5')
cursor.execute(delete_transaksi)

cnx.commit()

cursor.close()
cnx.close()
```

a. Perintah insert

```
from datetime import date,datetime,timedelta
import mysql.connector

cnx = mysql.connector.connect (user = 'root', database = 'perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
tambah_transaksi = ("INSERT INTO transaksi(id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah)VALUES(%s,%s,%s,%s,%s)")
data_transaksi = ('9','110','kredit',tanggal,'50000')
cursor.execute(tambah_transaksi,data_transaksi)

cnx.commit()
cursor.close()
cnx.close()
```

48	10	113	kredit	2009-12-18 00:00:00	130000
49	11	122	debit	2009-12-19 00:00:00	200000
50	12	114	kredit	2009-12-20 00:00:00	150000
51	9	110	kredit	2018-05-23 00:00:00	50000

51 rows in set <0.00 sec>

b. Perintah update.

```
from datetime import date,datetime,timedelta
import mysql.connector

cnx = mysql.connector.connect (user = 'root', database = 'perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
query = ("UPDATE transaksi SET jenis_transaksi = 'debit' WHERE no_transaksi = 51")
cursor.execute(query)

cnx.commit()
cursor.close()
cnx.close()
```

48	10	113	kredit	2009-12-18 00:00:00	130000
49	11	122	debit	2009-12-19 00:00:00	200000
50	12	114	kredit	2009-12-20 00:00:00	150000
51	9	110	debit	2018-05-23 00:00:00	50000

51 rows in set <0.00 sec>

c. Perintah delete.

```
from datetime import date,datetime,timedelta
import mysql.connector

cnx = mysql.connector.connect (user = 'root', database = 'perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
hapus_transaksi = ("DELETE FROM transaksi WHERE no_transaksi = 51")
cursor.execute(hapus_transaksi)

cnx.commit()
cursor.close()
cnx.close()

+-----+
| 48 |      10 |      113 | kredit | 2009-12-18 00:00:00 | 130000 |
| 49 |      11 |      122 | debit  | 2009-12-19 00:00:00 | 200000 |
| 50 |      12 |      114 | kredit | 2009-12-20 00:00:00 | 150000 |
+-----+
50 rows in set <0.00 sec>
```

2. Membuat kode program python untuk mendapatkan :

a. Data nasabah.

```
from datetime import date,datetime,timedelta
import mysql.connector

cnx = mysql.connector.connect (user = 'root', database = 'perbankan')
cursor = cnx.cursor()
query = ("SELECT * FROM nasabah")
cursor.execute(query)
for (id_nasabah,nama_nasabah,alamat_nasabah) in cursor:
    print ("ID: {} Nama: {} Alamat: {}".format(id_nasabah,nama_nasabah,alamat_nasabah))
cursor.close()
cnx.close()

ID: 1 Nama: Sutopo Alamat: Jl. Jendral Sudirman 12
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 4 Nama: Kartika Padmasari Alamat: Jl. Manggis 15
ID: 5 Nama: Budi Eko Prayogo Alamat: Jl. Kantil 30
ID: 6 Nama: Satria Eka Jaya Alamat: Jl. Slamet Riyadi 45
ID: 7 Nama: Trianandya Alamat: Jl. Sutoyo 5
ID: 8 Nama: Sari Murti Alamat: Jl. Pangandaran 11
ID: 9 Nama: Canka Lokananta Alamat: Jl. Tidar 86
ID: 10 Nama: Budi Martono Alamat: Jl. Merak 22
ID: 11 Nama: Danindya Alamat: Jl. Aki Balak 22
ID: 12 Nama: Puput Alamat: Jl. AMD 10
ID: 13 Nama: Muliana Alamat: Jl. Jend. Sudirman 97
ID: 14 Nama: Putri Alamat: Jl. Diponegoro 19
ID: 15 Nama: Bening Alamat: Jl. Agatis 10
ID: 16 Nama: Khatulistiawara Alamat: Jl. Ir. Soekarno 12
ID: 17 Nama: Pandan Wangi Alamat: Jl. Imam Bonjol 20
ID: 18 Nama: Andara Alamat: Jl. Pertama 26
ID: 19 Nama: Rangga Alamat: Jl. Kedua 80
ID: 20 Nama: Cinta Alamat: Jl. Ketiga 24
ID: 101 Nama: Naruto Alamat: Konoha
```

b. Data nasabah yang melakukan transaksi antara bulan Oktober sampai bulan Desember.

```

from datetime import date,datetime,timedelta
import mysql.connector

cnx = mysql.connector.connect (user = 'root', database = 'perbankan')
cursor = cnx.cursor()
query = ("SELECT nasabah.* FROM nasabah, transaksi\
    WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND\
        transaksi.tanggal BETWEEN '2009-11-1' AND '2009-12-31'")
cursor.execute(query)
for (id_nasabah,nama_nasabah,alamat_nasabah) in cursor:
    print ("ID: {} Nama: {} Alamat: {}".format(id_nasabah,nama_nasabah,alamat_nasabah))
cursor.close()
cnx.close()

```

```

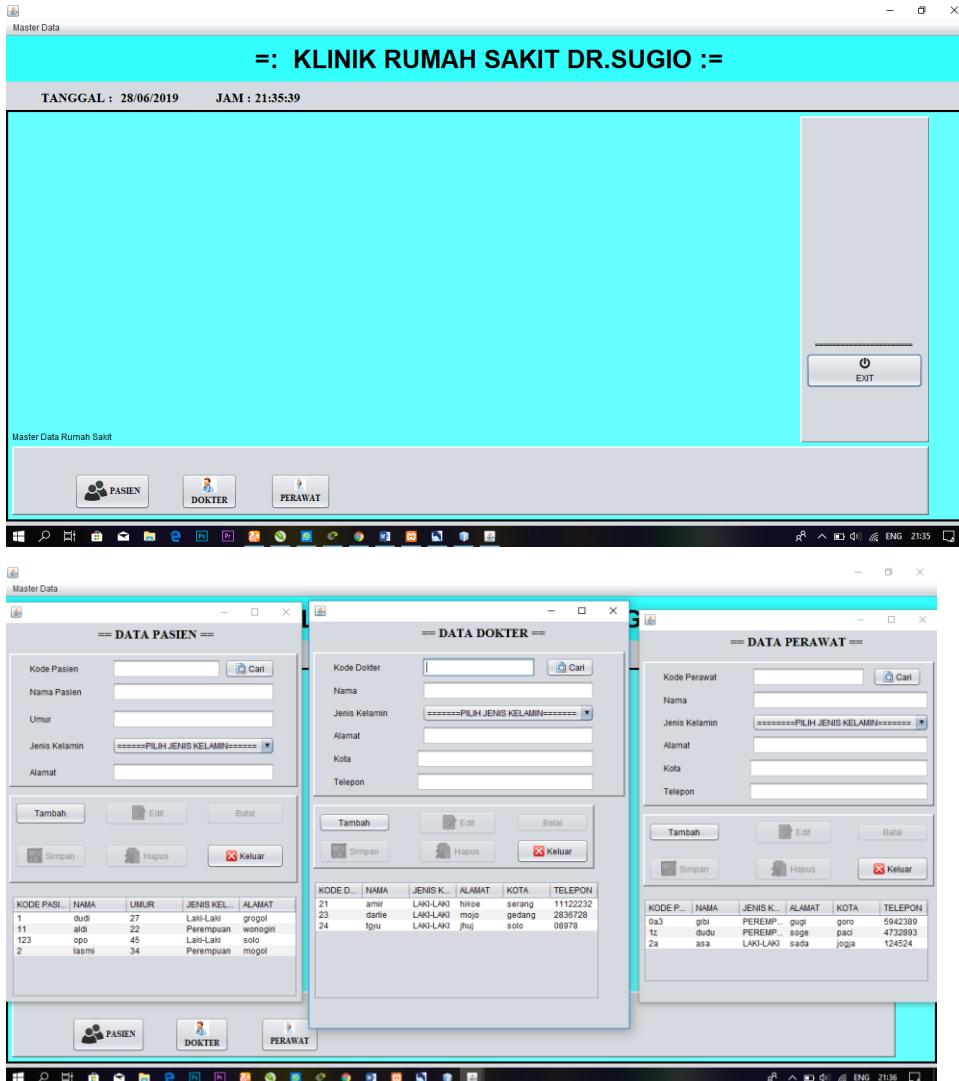
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 4 Nama: Kartika Padmasari Alamat: Jl. Manggis 15
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 5 Nama: Budi Eko Prayogo Alamat: Jl. Kantil 30
ID: 1 Nama: Sutopo Alamat: Jl. Jendral Sudirman 12
ID: 9 Nama: Canka Lokananta Alamat: Jl. Tidar 86
ID: 5 Nama: Budi Eko Prayogo Alamat: Jl. Kantil 30
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 4 Nama: Kartika Padmasari Alamat: Jl. Manggis 15
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 1 Nama: Sutopo Alamat: Jl. Jendral Sudirman 12
ID: 4 Nama: Kartika Padmasari Alamat: Jl. Manggis 15
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 1 Nama: Sutopo Alamat: Jl. Jendral Sudirman 12
ID: 4 Nama: Kartika Padmasari Alamat: Jl. Manggis 15
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 5 Nama: Budi Eko Prayogo Alamat: Jl. Kantil 30
ID: 10 Nama: Budi Martono Alamat: Jl. Merak 22
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 3 Nama: Suparman Alamat: Jl. Hasanudin 81
ID: 5 Nama: Budi Eko Prayogo Alamat: Jl. Kantil 30
ID: 1 Nama: Sutopo Alamat: Jl. Jendral Sudirman 12
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 4 Nama: Kartika Padmasari Alamat: Jl. Manggis 15
ID: 2 Nama: Maryati Alamat: Jl. MT Haryono 31
ID: 5 Nama: Budi Eko Prayogo Alamat: Jl. Kantil 30
ID: 7 Nama: Trianandya Alamat: Jl. Sutoyo 5
ID: 9 Nama: Canka Lokananta Alamat: Jl. Tidar 86
ID: 12 Nama: Puput Alamat: Jl. AMD 10
ID: 11 Nama: Danindya Alamat: Jl. Aki Balak 22
ID: 13 Nama: Muliana Alamat: Jl. Jend. Sudirman 97
ID: 15 Nama: Bening Alamat: Jl. Agatis 10
ID: 11 Nama: Danindya Alamat: Jl. Aki Balak 22
ID: 11 Nama: Danindya Alamat: Jl. Aki Balak 22
ID: 16 Nama: Khatulistiwyare Alamat: Jl. Ir. Soekarno 12
ID: 14 Nama: Putri Alamat: Jl. Diponegoro 19
ID: 17 Nama: Pandan Wangi Alamat: Jl. Imam Bonjol 20
ID: 16 Nama: Khatulistiwyare Alamat: Jl. Ir. Soekarno 12
ID: 10 Nama: Budi Martono Alamat: Jl. Merak 22
ID: 12 Nama: Puput Alamat: Jl. AMD 10
ID: 12 Nama: Puput Alamat: Jl. AMD 10
ID: 16 Nama: Khatulistiwyare Alamat: Jl. Ir. Soekarno 12
ID: 13 Nama: Muliana Alamat: Jl. Jend. Sudirman 97
ID: 14 Nama: Putri Alamat: Jl. Diponegoro 19
ID: 17 Nama: Pandan Wangi Alamat: Jl. Imam Bonjol 20
ID: 10 Nama: Budi Martono Alamat: Jl. Merak 22
ID: 11 Nama: Danindya Alamat: Jl. Aki Balak 22
ID: 12 Nama: Puput Alamat: Jl. AMD 10

```

LAPORAN PRAKTIKUM SISTEM BASIS DATA

MODUL 12 (Aplikasi dengan Database)

NAMA : Sugiyo
NIM : L200170002
KELAS : A



localhost/phpmyadmin/db_structure.php?db=rumahsakit

Structure SQL Search Query Export Import Operations Privileges Routines Events More

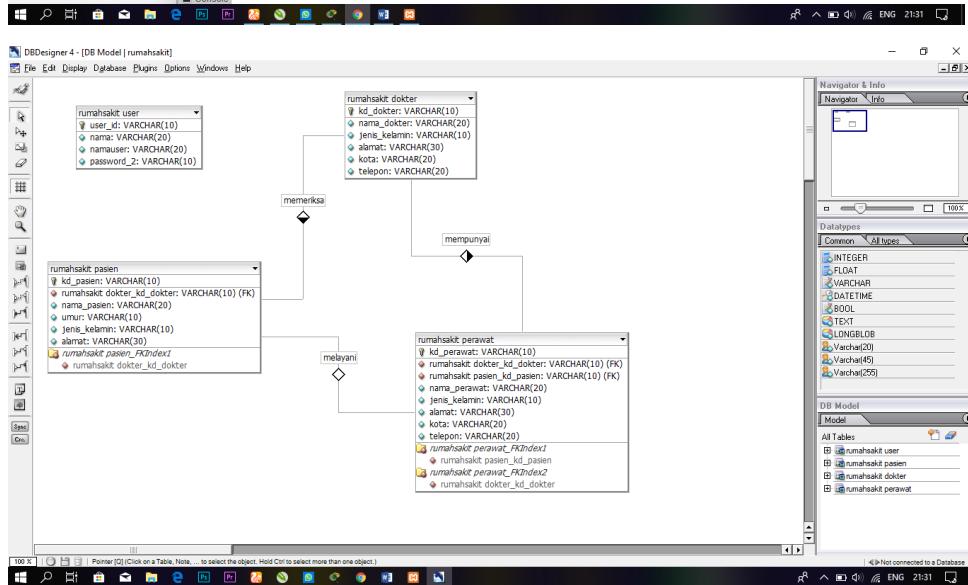
Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
dokter	Browse Structure Search	3	Empty	InnoDB latin1_swedish_ci	16 Kib	-
pasiens	Browse Structure Search	4	Empty	InnoDB latin1_swedish_ci	16 Kib	-
perawat	Browse Structure Search	3	Empty	InnoDB latin1_swedish_ci	16 Kib	-
user	Browse Structure Search	2	Empty	InnoDB latin1_swedish_ci	16 Kib	-
4 tables Sum		12	InnoDB	latin1_swedish_ci	64 Kib	0 B

Print Data dictionary

Create table

Name: Number of columns: 4 Go



```
Command Prompt - mysql -u root
Tables_in_rumahsakit
dokter
pasiens
perawat
user
4 rows in set (0.00 sec)

MariaDB [rumahsakit]> select *from dokter;
+-----+-----+-----+-----+-----+-----+
| kd_dokter | nama_dokter | jenis_kelamin | alamat | kota | telepon |
+-----+-----+-----+-----+-----+-----+
| 21 | amir | LAKI-LAKI | hikoe | serang | 11122233 |
| 22 | danielie | LAKI-LAKI | mojo | gedung | 2836728 |
| 23 | tugu | LAKI-LAKI | jnrg | solo | 88978 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

MariaDB [rumahsakit]> select *from perawat;
+-----+-----+-----+-----+-----+-----+
| kd_perawat | nama_perawat | jenis_kelamin | alamat | kota | telepon |
+-----+-----+-----+-----+-----+-----+
| 003 | gibii | PEREMPUAN | bugis | gowa | 59876543 |
| 12 | dedeh | JIWAHAN | bogor | pacet | 123456789 |
| 24 | esa | LAKI-LAKI | sata | jogja | 124524 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

MariaDB [rumahsakit]> select *from pasien;
+-----+-----+-----+-----+-----+
| kd_pasiens | nama_pasiens | umur | jenis_kelamin | alamat |
+-----+-----+-----+-----+-----+
| 1 | dudi | 27 | Laki-Laki | grogol |
| 11 | aldi | 22 | Perempuan | wonogiri |
| 123 | opo | 45 | Laki-Laki | solo |
| 2 | lasmi | 34 | Perempuan | mogol |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

MariaDB [rumahsakit]> select *from user;
+-----+-----+-----+
| user_id | nama | namauuser | password |
+-----+-----+-----+

```