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NIM : 5312422036

Program Studi: Teknik Komputer

Mata Kuliah : Basis Data

Lembar Kerja

Silahkan Anda mencoba seluruh rangkaian praktikum di atas

```
Command Prompt - mysql -u X
Microsoft Windows [Version 10.0.22631.3155]
(c) Microsoft Corporation. All rights reserved.
C:\Users\andre>cd
C:\Users\andre
C:\Users\andre>cd..
C:\Users>cd..
C:\>cd Program Files
C:\Program Files>cd xampp
C:\Program Files\xampp>cd mysql
C:\Program Files\xampp\mysql>cd bin
C:\Program Files\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 10
Server version: 10.4.32-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 (0.001 sec)
MariaDB [(none)]> create database mahasiswa;
Query OK, 1 row affected (0.002 sec)
```

```
Command Prompt - mysql -u 🗡
MariaDB [(none)]> show databases;
 Database
| information_schema
l mahasiswa
| mysql
| performance_schema
| phpmyadmin
| test
6 rows in set (0.001 sec)
MariaDB [(none)]> create database mahasiswa;
ERROR 1007 (HY000): Can't create database 'mahasiswa'; database exists
MariaDB [(none)]> show databases;
Database
| information_schema
| mahasiswa
| mvsal
performance_schema
| phpmyadmin
| test
6 rows in set (0.001 sec)
MariaDB [(none)]> drop database mahasiswa;
Query OK, 0 rows affected (0.001 sec)
MariaDB [(none)]> show databases;
Database
| information_schema
| mvsql
performance_schema
phpmyadmin
| test
5 rows in set (0.001 sec)
MariaDB [(none)]> create database mahasiswa;
Query OK, 1 row affected (0.001 sec)
```

```
Command Prompt - mysql -u
Query OK, 1 row affected (0.001 sec)
MariaDB [(none)]> use mahasiswa;
MariaDB [mahasiswa]> create table data_mahasiswa (nim varchar(15), nama varchar(40), tempat_lahir varchar(35), tgl_lhr date, alamat varchar(50), no_telp varchar(30)); Query ΟΚ, θ rows affected (θ.025 sec)
MariaDB [mahasiswa]> show tables:
| Tables_in_mahasiswa |
l data mahasiswa
1 row in set (0.001 sec)
MariaDB [mahasiswa]> describe data_mahasiswa;
                   Type | Null | Key | Default | Extra |
| Field
                    varchar(15) | YES
varchar(40) | YES
varchar(35) | YES
date | YES
varchar(50) | YES
varchar(30) | YES
                                                       NULL
NULL
NULL
NULL
 nim
nama
  tempat lahir
 tgl_lhr
alamat
no_telp
6 rows in set (0.036 sec)
MariaDB [mahasiswa]>
```

Tugas dan Pertanyaan

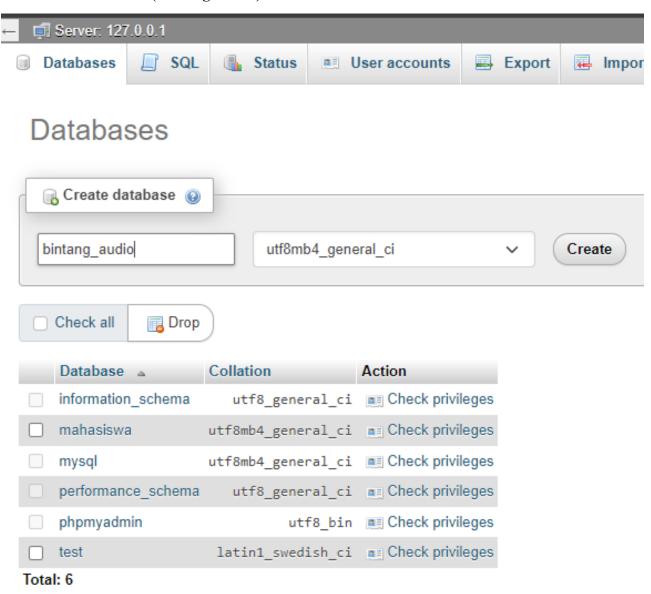
Silahkan anda membuat basis data relasional pada kasus tugas yang ada pada slide materi pertemuan hari ini, screenshoot hasil tabel yang Anda buat dengan konten:

- 1. Screenshoot tabel yang anda buat
- 2. Screenshoot struktur per tabel
- 3. Screenshoot isi data per table

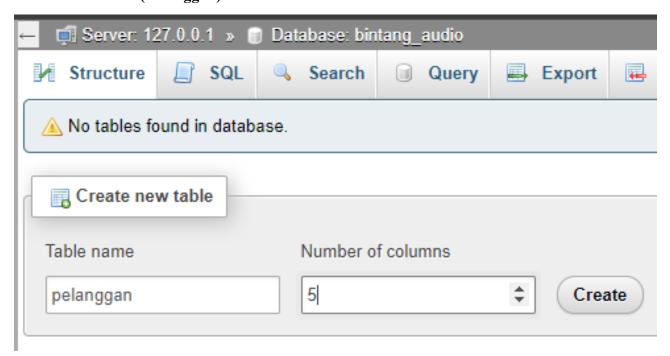
* Rencana (Database dan Tabel)

```
📙 new 1 🗵
     Database (Bintang Audio)
     Tabel Pelanggan
     id_pelanggan - int(15)
     nama_pelanggan - varchar(255)
     email - varchar (255)
     telepon - varchar(15)
     alamat - varchar(255)
     Tabel Barang
     id_barang - int(15)
     nama_barang - varchar(255)
     merk - varchar(255)
     kategori - varchar(255)
     harga - decimal(10,2)
     stok - int(10)
     Tabel Penjualan
     id_penjualan - int(15)
     id_pelanggan - int(15)
     id_barang - int(15)
     jumlah - int(10)
     waktu - datetime
     pembayaran -
```

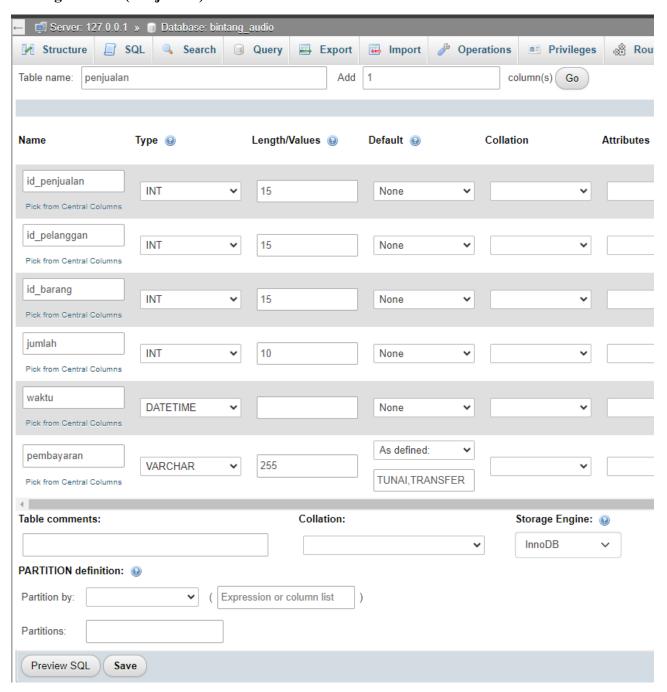
* Membuat Database (Bintang Audio)



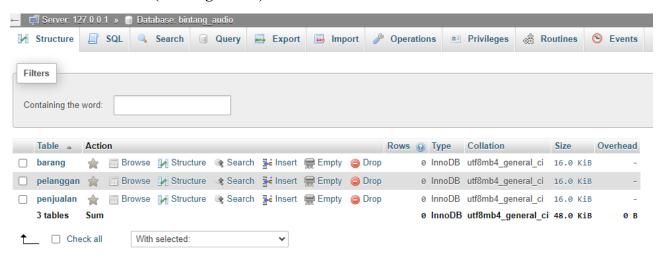
* Membuat Tabel (Pelanggan)



* Mengisi Tabel (Penjualan)

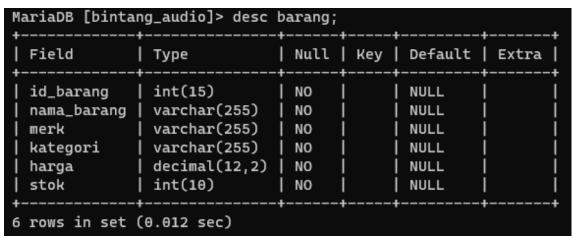


* Struktur Database (Bintang Audio)

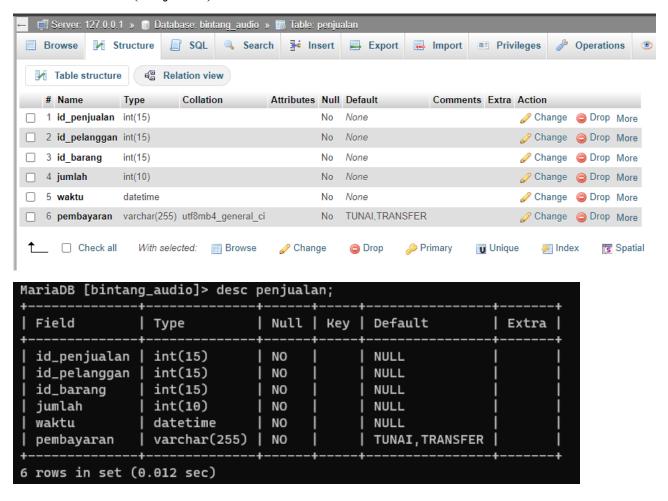


* Struktur Tabel (Barang)

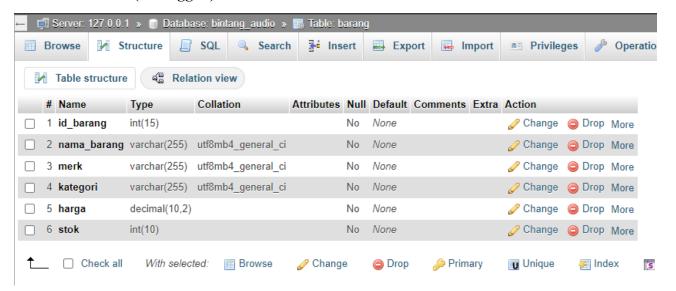




* Struktur Tabel (Penjualan)



* Struktur Tabel (Pelanggan)



MariaDB [bintang_audio]> desc pelanggan;						
Field	Type	Null	Key	Default	Extra	
id_pelanggan nama_pelanggan email telepon alamat	int(15) varchar(255) varchar(255) varchar(15) varchar(255)	NO NO NO NO NO		NULL NULL NULL NULL NULL		
5 rows in set (0.011 sec)						

* Data Tabel (Barang)

nama_barang	merk	kategori	harga	stok
Audiotechnik KSLi8	D&B	Speaker Line Array	50000000.00	5
Audiotechnik V Subwoofer	D&B	Subwoofer Array	120000000.00	3
SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer	Allen & Heath	Mixer Digital	500000000.00	2
Vi7000 128-Channel Mixer Digital	Soundcraft	Mixer Digital	90000000.00	1
JRX112Mi Speaker Pasif 2 Way 12' 500 Watt	JBL	Speaker Pasif	35000000.00	3
KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt	JBL	Subwoofer Panggung	75000000.00	4
TF5 32-Channel 33-Faders Digital Mixer	Yamaha	Mixer Digital	250000000.00	1
w all Number of rows: 25 V Filter rows:	Search this t	iable		
tang_audio]> select * from barang;				
nama_barang	merk	kategori	harga	stok
Audiotechnik KSLi8 Audiotechnik V Subwoofer SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel Mixer Digital JRX112Mi Speaker Pasif 2 Way 12? 500 Watt KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt TF5 32-Channel 33-Faders Digital Mixer	D&B D&B Allen & Heath Soundcraft JBL JBL Yamaha	Speaker Line Array Subwoofer Array Mixer Digital Mixer Digital Speaker Pasif Subwoofer Panggung Mixer Digital	50000000.00 120000000.00 500000000.00 900000000.00 35000000.00 75000000.00	5 3 2 1 1 3 4 1 1
W	Audiotechnik KSLi8 Audiotechnik V Subwoofer SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel Mixer Digital JRX112Mi Speaker Pasif 2 Way 12' 500 Watt KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt TF5 32-Channel 33-Faders Digital Mixer Vall Number of rows: 25	Audiotechnik KSLi8 Audiotechnik V Subwoofer SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel Mixer Digital JRX112Mi Speaker Pasif 2 Way 12' 500 Watt KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt JBL TF5 32-Channel 33-Faders Digital Mixer Yamaha Vall Number of rows: Z5 Filter rows: Search this temporary Audiotechnik KSLi8 Audiotechnik V Subwoofer SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel Mixer Digital JRX112Mi Speaker Pasif 2 Way 12' 500 Watt KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt JBL	Audiotechnik KSLi8 Audiotechnik V Subwoofer D&B Subwoofer Array SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel Mixer Digital JRX112Mi Speaker Pasif 2 Way 12' 500 Watt JBL Subwoofer Panggung KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt JBL Subwoofer Panggung TF5 32-Channel 33-Faders Digital Mixer Yamaha Mixer Digital Vall Number of rows: Z5 Filter rows: Search this table Audiotechnik KSLi8 Audiotechnik KSLi8 Audiotechnik V Subwoofer Audiotechnik V Subwoofer SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Vi7000 128-Channel Mixer Digital JRX112Mi Speaker Pasif 2 Way 127 500 Watt JRX112Mi Speaker Pasif 2 Way 127 500 Watt JBL Subwoofer Panggung KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt JBL Subwoofer Panggung	Audiotechnik KSLi8 Audiotechnik V Subwoofer D&B Subwoofer Array 120000000.00 SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Allen & Heath Mixer Digital Soundcraft Mixer Digital 900000000.00 JRX112Mi Speaker Pasif 2 Way 12' 500 Watt JBL Speaker Pasif 35000000.00 KP-6018S Subwoofer Karaoke 18 Inch 2400 Watt JBL Subwoofer Panggung 75000000.00 TF5 32-Channel 33-Faders Digital Mixer Yamaha Mixer Digital 250000000.00 Filter rows: Search this table Audiotechnik KSLi8 Audiotechnik V Subwoofer Audiotechnik V Subwoofer SQ-5 48-Channel 17-Faders 6-Layers Digital Mixer Audiotechnik V Subwoofer SQ-5 48-Channel Mixer Digital Audiotechnik V Subwoofer SQ-5 48-Channel Mixer Digital Subwoofer Array Speaker Line Array Speaker Line Array Subwoofer Array Subwoofer Array Subwoofer Array Subwoofer Array Subwoofer Array Speaker Line Array Subwoofer Array Subwoofer Array Subwoofer Array Speaker Line Array Speaker Digital Subwoofer Array Subwoofer Array Speaker Line Array Speaker Line Array Speaker Digital Speaker Allen & Heath Mixer Digital Speaker Pasif 2 Way 127 500 Watt JBL Speaker Pasif 350000000.00 TF5 32-Channel Mixer Digital Speaker Pasif 350000000.00 Speaker Panggung T500000000.00 TF5 32-Channel Mixer Digital Speaker Line Array Speaker Li

* Data Tabel (Penjualan)

id_penjualan	id_pelanggan	id_barang	jumlah	waktu		pembayaran
242205	250224001	222009	1	2024-02	-28 15:19:03	TRANSFER
243367	260224005	777044	1	2024-03	-27 17:21:33	TUNAI
2233343	300224007	999025	1	2024-03	-12 09:22:49	TRANSFER
243372	270224009	111005	2	2024-03	-17 14:24:00	TUNAI
242299	250224001	777044	1	2024-02	-29 13:26:10	TUNAI
☐ Show al	II Number of ro	ws: 25 🗸	Filte	er rows:	Search this t	able

MariaDB [bintang_audio]> select * from penjualan;						
id_penjualan	id_pelanggan	id_barang	jumlah	waktu	pembayaran	
242205 243367 2233343 243372 242299	250224001 260224005 300224007 270224009 250224001	222009 777044 999025 111005 777044	1 1 1 2	2024-02-28 15:19:03 2024-03-27 17:21:33 2024-03-12 09:22:49 2024-03-17 14:24:00 2024-02-29 13:26:10	TRANSFER TUNAI TRANSFER TUNAI TUNAI	
++ 5 rows in set (0.000 sec)						

* Data Tabel (Pelanggan)

id_pelanggan	nama_pelanggan	email	telepon	alamat
250224001	Andreas Restuawanta	andreasrrr@gmail.com	089522442345	Semarang
250224002	Rizky Wahyudi	rizkyw5@gmail.com	085524348778	Jakarta
260224005	Nabil Husein	nabilengineer@gmail.com	085522318799	Jakarta
270224009	Michael Maestro	michmm44@gmail.com	081233428754	Surabaya
300224007	Ari Lasso	arisso7@gmail.com	089954558912	Surabaya
☐ Show all	Number of rows:	25 V Filter rows:	Search this table	Э

MariaDB [bintang_audio]> select * from pelanggan;							
id_pelanggan	nama_pelanggan	email	telepon	alamat			
250224002 260224005	Andreas Restuawanta Rizky Wahyudi Nabil Husein Michael Maestro Ari Lasso	andreasrrr@gmail.com rizkyw5@gmail.com nabilengineer@gmail.com michmm44@gmail.com arisso7@gmail.com	089522442345 085524348778 085522318799 081233428754 089954558912	Semarang Jakarta Jakarta Surabaya Surabaya			
5 rows in set (0.000 sec)							