

Praktikum 2 Sistem Basis Data 2023

NRP / Nama : 5025231014 / Muhammad Nabil Afrizal Rahmadani
Kelas : D
RDBMS : MySQL
Link Script SQL : [Script SQL](#)
Kode Asdos : D02
Sesi : Modul Pendahuluan

Nomor 1

Sintaks:

```
CREATE DATABASE kedai_kopi_nuri;  
USE kedai_kopi_nuri;
```

```
CREATE TABLE Pegawai(  
    NIK CHAR(16) NOT NULL,  
    Nama_pegawai VARCHAR(100) NOT NULL,  
    Jenis_kelamin CHAR(1),  
    Email VARCHAR(50),  
    Umur INTEGER,  
    CONSTRAINT Pegawai_PK PRIMARY KEY (NIK)  
);
```

```
CREATE TABLE Telepon(  
    No_telp_pegawai VARCHAR(15) NOT NULL,  
    Pegawai_NIK CHAR(16) NOT NULL,  
    CONSTRAINT Telepon_PK PRIMARY KEY (No_telp_pegawai),  
    CONSTRAINT Telepon_Pegawai_FK FOREIGN KEY (Pegawai_NIK)  
REFERENCES Pegawai(NIK)  
);
```

```
CREATE TABLE Customer(  
    --
```

```

        ID_customer CHAR(6) NOT NULL,
        Nama_customer VARCHAR(100) NOT NULL,
        CONSTRAINT Customer_PK PRIMARY KEY (ID_customer)
    );

CREATE TABLE Transaksi(
    ID_transaksi CHAR(10) NOT NULL,
    Tanggal_transaksi DATE NOT NULL,
    Metode_pembayaran VARCHAR(15) NOT NULL,
    Customer_ID_customer CHAR(6) NOT NULL,
    Pegawai_NIK CHAR(16) NOT NULL,
    CONSTRAINT Transaksi_PK PRIMARY KEY (ID_transaksi),
    CONSTRAINT Transaksi_Customer_FK FOREIGN KEY
    (Customer_ID_customer) REFERENCES Customer(ID_customer),
    CONSTRAINT Transaksi_Pegawai_FK FOREIGN KEY (Pegawai_NIK)
    REFERENCES Pegawai(NIK)
);

CREATE TABLE Menu_minuman(
    ID_minuman CHAR(6) NOT NULL,
    Nama_minuman VARCHAR(50) NOT NULL,
    Harga_minuman FLOAT(2) NOT NULL,
    CONSTRAINT Menu_minuman_PK PRIMARY KEY (ID_minuman)
);

CREATE TABLE Transaksi_minuman(
    TM_Menu_minuman_ID CHAR(6) NOT NULL,
    TM_Transaksi_ID CHAR(10) NOT NULL,
    Jumlah_cup INTEGER NOT NULL,
    CONSTRAINT Transaksi_minuman_PK PRIMARY KEY
    (TM_Menu_minuman_ID, TM_Transaksi_ID),

```

```

        CONSTRAINT TM_ID_menu_minuman_FK FOREIGN KEY
(TM_Menu_minuman_ID) REFERENCES Menu_minuman(ID_minuman),

        CONSTRAINT TM_ID_Transaksi_FK FOREIGN KEY
(TM_TRANSAKSI_ID) REFERENCES Transaksi(ID_transaksi)

);

```

Hasil:

Database:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> menu_minuman	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> pegawai	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> telepon	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> transaksi	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> transaksi_minuman	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
6 tables	Sum	0	InnoDB	utf8mb4_general_ci	160.0 KiB	0 B

Tabel customer:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	Nama_customer	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Tabel minuman:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID_minuman	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	Nama_minuman	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Harga_minuman	float			No	None			Change Drop More

Tabel pegawai:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	NIK	char(16)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	Nama_pegawai	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Jenis_kelamin	char(1)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	Email	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	Umur	int(11)			Yes	NULL			Change Drop More

Tabel telepon:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	No_telp_pegawai	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	Pegawai_NIK	char(16)	utf8mb4_general_ci		No	None			Change Drop More

Tabel transaksi:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID_transaksi	char(10)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	Tanggal_transaksi	date			No	None			Change Drop More
<input type="checkbox"/> 3	Metode_pembayaran	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	Customer_ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	Pegawai_NIK	char(16)	utf8mb4_general_ci		No	None			Change Drop More

Tabel transaksi_minuman:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	TM_Menu_minuman_ID	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	TM_Transaksi_ID	char(10)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Jumlah_cup	int(11)			No	None			Change Drop More

Nomor 2

Sintaks:

Soal 2:

```
CREATE TABLE Membership(  
    id_membership CHAR(6) NOT NULL,  
    no_telepon_customer VARCHAR(15) NOT NULL,  
    alamat_customer VARCHAR(100) NOT NULL,  
    tanggal_pembuatan_kartu_membership DATE NOT NULL,  
    tanggal_kedaluawarsa_kartu_membership DATE,  
    total_poin INTEGER NOT NULL,  
    Customer_ID_customer CHAR(6) NOT NULL  
);
```

Soal 2 A:

```
ALTER TABLE Membership  
ADD CONSTRAINT membership_PK PRIMARY KEY (id_membership);
```

Soal 2 B:

```
ALTER TABLE Membership  
  
ADD CONSTRAINT membership_customer_FK FOREIGN KEY  
(Customer_ID_customer) REFERENCES Customer(ID_customer)  
  
ON UPDATE CASCADE  
  
ON DELETE RESTRICT;
```

Soal 2 C:

```
ALTER TABLE Transaksi  
  
DROP FOREIGN KEY Transaksi_Customer_FK;  
  
ALTER TABLE Transaksi  
  
ADD CONSTRAINT Transaksi_Customer_FK FOREIGN KEY  
(Customer_ID_customer) REFERENCES Customer(ID_customer)  
  
ON DELETE CASCADE  
  
ON UPDATE CASCADE;
```

Soal 2 D:

```
ALTER TABLE Membership  
  
ALTER COLUMN tanggal_pembuatan_kartu_membership SET DEFAULT  
CURRENT_DATE;
```

Soal 2 E:

```
ALTER TABLE Membership  
  
ADD CHECK (total_poin >= 0);
```

Soal 2 F:

```
ALTER TABLE Membership  
  
MODIFY COLUMN alamat_customer VARCHAR(150);
```

Hasil:

Soal 2:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id_membership	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 no_telepon_customer	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 alamat_customer	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 tanggal_pembuatan_kartu_membership	date			No	None			Change Drop More
<input type="checkbox"/>	5 tanggal_kedaluwarsa_kartu_membership	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	6 total_poin	int(11)			No	None			Change Drop More
<input type="checkbox"/>	7 Customer_ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More

Soal 2 A:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id_membership	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 no_telepon_customer	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 alamat_customer	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 tanggal_pembuatan_kartu_membership	date			No	None			Change Drop More
<input type="checkbox"/>	5 tanggal_kedaluwarsa_kartu_membership	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	6 total_poin	int(11)			No	None			Change Drop More
<input type="checkbox"/>	7 Customer_ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More

Soal 2 B:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id_membership	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 no_telepon_customer	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 alamat_customer	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 tanggal_pembuatan_kartu_membership	date			No	None			Change Drop More
<input type="checkbox"/>	5 tanggal_kedaluwarsa_kartu_membership	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	6 total_poin	int(11)			No	None			Change Drop More
<input type="checkbox"/>	7 Customer_ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More

Table structure

Relation view

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	membership_customer_FK	ON DELETE RESTRICT ON UPDATE CASCADE	Customer_ID_customer	kedai_kopi_nuri	customer
					ID_customer
			+ Add column		

Soal 2 C:

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: transaksi

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
Drop	Transaksi_Customer_FK	ON DELETE CASCADE ON UPDATE CASCADE	Customer_ID_customer	kedai_kopi_nuri	customer
					ID_customer
			+ Add column		
Drop	Transaksi_Pegawai_FK	ON DELETE RESTRICT ON UPDATE RESTRICT	Pegawai_NIK	kedai_kopi_nuri	pegawai
					NIK
			+ Add column		

Soal 2 D:

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: membership

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Tracking](#)

[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id_membership	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	no_telepon_customer	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	alamat_customer	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	tanggal_pembuatan_kartu_membership	date			No	curdate()			Change Drop More
<input type="checkbox"/> 5	tanggal_kedaluawarsa_kartu_membership	date			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	total_poin	int(11)			No	None			Change Drop More
<input type="checkbox"/> 7	Customer_ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More

Soal 2 E:

Error

SQL query: [Copy](#)

```
-- coba masukan angka negatif
INSERT INTO Membership (id_membership, no_telepon_customer, alamat_customer, tanggal_pembuatan_kartu_membership, total_poin, Customer_ID_customer)
VALUES ('MBR042', '123456789', 'Surabaya', '2023-11-05', -5, 'CTR001');
```

MySQL said: [?](#)

#4025 - CONSTRAINT `CONSTRAINT_1` failed for `kedai_kopi_nuri`.`membership`

Soal 2 F:

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: membership

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Tracking](#)

[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id_membership	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	no_telepon_customer	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	alamat_customer	varchar(150)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	tanggal_pembuatan_kartu_membership	date			No	curdate()			Change Drop More
<input type="checkbox"/> 5	tanggal_kedaluawarsa_kartu_membership	date			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	total_poin	int(11)			No	None			Change Drop More
<input type="checkbox"/> 7	Customer_ID_customer	char(6)	utf8mb4_general_ci		No	None			Change Drop More

Nomor 3

Sintaks:

```
DROP TABLE Telepon;
```

```
ALTER TABLE Pegawai
```

```
ADD No_telp_pegawai VARCHAR(15);
```

Hasil:

Sebelum:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> membership	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> menu_minuman	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> pegawai	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> telepon	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> transaksi	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> transaksi_minuman	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
7 tables	Sum	0	InnoDB	utf8mb4_general_ci	192.0 KiB	0 B

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: pegawai										
Browse	Structure	SQL	Search	Insert	Export	Import	Privileges	Operat		
Table structure		Relation view								
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/> 1	NIK	char(16)	utf8mb4_general_ci		No	None			Change Drop More	
<input type="checkbox"/> 2	Nama_pegawai	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More	
<input type="checkbox"/> 3	Jenis_kelamin	char(1)	utf8mb4_general_ci		Yes	NULL			Change Drop More	
<input type="checkbox"/> 4	Email	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More	
<input type="checkbox"/> 5	Umur	int(11)			Yes	NULL			Change Drop More	

Sesudah:

Server: 127.0.0.1 » Database: kedai_kopi_nuri										
Structure	SQL	Search	Query	Export	Import	Operations	Privileges	Routines	Events	Trigg
Filters										
Containing the word: <input type="text"/>										
Table	Action	Rows	Type	Collation	Size	Overhead				
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-				
<input type="checkbox"/> membership	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-				
<input type="checkbox"/> menu_minuman	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-				
<input type="checkbox"/> pegawai	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-				
<input type="checkbox"/> transaksi	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-				
<input type="checkbox"/> transaksi_minuman	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-				
6 tables	Sum	0	InnoDB	utf8mb4_general_ci	160.0 KiB	0 B				

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: pegawai

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operation](#)

[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	NIK	char(16)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	Nama_pegawai	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Jenis_kelamin	char(1)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	Email	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	Umur	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	No_telp_pegawai	varchar(15)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Nomor 4

Sintaks:

a. Tabel Customer

```
INSERT INTO Customer(ID_customer, Nama_customer)
VALUES
    ('CTR001', 'Budi Santoso'),
    ('CTR002', 'Sisil Triana'),
    ('CTR003', 'Davi Liam'),
    ('CTR004', 'Sutris Ten An'),
    ('CTR005', 'Hendra Asto');
```

b. Tabel Membership

```
INSERT INTO Membership(id_membership,
no_telepon_customer, alamat_customer,
tanggal_pembuatan_kartu_membership,
tanggal_kedaluawarsa_kartu_membership, total_poin,
Customer_ID_customer)
VALUES
    ('MBR001', '08123456789', 'Jl. Imam Bonjol',
'2023-10-24', '2023-11-30', '0', 'CTR001'),
    ('MBR002', '0812345678', 'Jl. Kelinci', '2023-10-24',
'2023-11-30', '3', 'CTR002'),
    ('MBR003', '081234567890', 'Jl. Abah Ojak',
'2023-10-25', '2023-12-01', '2', 'CTR003'),
    ('MBR004', '08987654321', 'Jl. Kenangan', '2023-10-26',
'2023-12-02', '6', 'CTR004');
```

c. Tabel Pegawai

```
INSERT INTO Pegawai(NIK, Nama_pegawai, Jenis_kelamin,  
Email, Umur, No_telp_pegawai)
```

```
VALUES
```

```
  ('1234567890123456', 'Naufal Raf', 'L',  
'nuafal@gmail.com', 19, '62123456789'),  
  
  ('2345678901234561', 'Surinala', 'P',  
'surinala@gmail.com', 24, '621234567890'),  
  
  ('3456789012345612', 'Ben John', 'L',  
'benjohn@gmail.com', 22, '6212345678');
```

d. Tabel Transaksi

```
INSERT INTO Transaksi(ID_transaksi, Tanggal_transaksi,  
Metode_pembayaran, Pegawai_NIK, Customer_ID_customer)
```

```
VALUES
```

```
  ('TRX0000001', '2023-10-01', 'Kartu kredit',  
'2345678901234561', 'CTR002'),  
  
  ('TRX0000002', '2023-10-03', 'Transfer bank',  
'3456789012345612', 'CTR004'),  
  
  ('TRX0000003', '2023-10-05', 'Tunai',  
'3456789012345612', 'CTR001'),  
  
  ('TRX0000004', '2023-10-15', 'Kartu debit',  
'1234567890123456', 'CTR003'),  
  
  ('TRX0000005', '2023-10-15', 'E-wallet',  
'1234567890123456', 'CTR004'),  
  
  ('TRX0000006', '2023-10-21', 'Tunai',  
'2345678901234561', 'CTR001');
```

e. Tabel menu_minuman

```
INSERT INTO Menu_minuman(ID_minuman, Nama_minuman,  
Harga_minuman)
```

```
VALUES
```

```
('MNM001', 'Espresso', 18000),  
( 'MNM002', 'Cappuccino', 20000),  
( 'MNM003', 'Latte', 21000),  
( 'MNM004', 'Americano', 19000),  
( 'MNM005', 'Mocha', 22000),  
( 'MNM006', 'Macchiato', 23000),  
( 'MNM007', 'Cold Brew', 21000),  
( 'MNM008', 'Iced Coffee', 18000),  
( 'MNM009', 'Affogato', 23000),  
( 'MNM010', 'Coffee Frappe', 22000);
```

f. Tabel Transaksi_minuman

```
INSERT INTO Transaksi_minuman(TM_Menu_minuman_ID,  
TM_Transaksi_ID, Jumlah_cup)
```

```
VALUES
```

```
('MNM006', 'TRX0000005', 2),  
( 'MNM010', 'TRX0000001', 1),  
( 'MNM005', 'TRX0000002', 1),  
( 'MNM009', 'TRX0000005', 1),  
( 'MNM001', 'TRX0000003', 3),  
( 'MNM003', 'TRX0000006', 2),  
( 'MNM004', 'TRX0000004', 2),  
( 'MNM010', 'TRX0000004', 1),  
( 'MNM003', 'TRX0000002', 2),  
( 'MNM007', 'TRX0000001', 1),  
( 'MNM001', 'TRX0000005', 1),  
( 'MNM003', 'TRX0000003', 1);
```

Hasil:

a. Tabel customer

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: customer

Browse Structure SQL Search Insert E>

Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
SELECT * FROM `customer`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

				ID_customer	Nama_customer
<input type="checkbox"/>	Edit	Copy	Delete	CTR001	Budi Santoso
<input type="checkbox"/>	Edit	Copy	Delete	CTR002	Sisil Triana
<input type="checkbox"/>	Edit	Copy	Delete	CTR003	Davi Liam
<input type="checkbox"/>	Edit	Copy	Delete	CTR005	Hendra Asto
<input type="checkbox"/>	Edit	Copy	Delete	CTRo04	Sutris Ten An

b. Tabel membership

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: membership

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

```
SELECT * FROM `membership`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

					id_membership	no_telepon_customer	alamat_customer	tanggal_pembuatan_kartu_membership	tanggal_kedaluawarsa_kartu_membership	total_poin	Customer_ID_customer
<input type="checkbox"/>	Edit	Copy	Delete	MBR001	08123456789	Jl. Imam Bonjol	2023-10-24	2023-11-30	0	CTR001	
<input type="checkbox"/>	Edit	Copy	Delete	MBR002	0812345678	Jl. Kelinci	2023-10-24	2023-11-30	3	CTR002	
<input type="checkbox"/>	Edit	Copy	Delete	MBR003	081234567890	Jl. Abah Ojak	2023-10-25	2023-12-01	2	CTR003	
<input type="checkbox"/>	Edit	Copy	Delete	MBR004	08987654321	Jl. Kenangan	2023-10-26	2023-12-02	6	CTRo04	

c. Tabel pegawai

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: pegawai

Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

`SELECT * FROM `pegawai``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

			NIK	Nama_pegawai	Jenis_kelamin	Email	Umur	No_telp_pegawai
<input type="checkbox"/>	Edit	Copy	Delete	1234567890123456	Naufal Raf	L	nuafal@gmail.com	19 62123456789
<input type="checkbox"/>	Edit	Copy	Delete	2345678901234561	Surinala	P	surinala@gmail.com	24 621234567890
<input type="checkbox"/>	Edit	Copy	Delete	3456789012345612	Ben John	L	benjohn@gmail.com	22 6212345678

d. Tabel transaksi

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: transaksi

Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

`SELECT * FROM `transaksi``

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				ID_transaksi	Tanggal_transaksi	Metode_pembayaran	Customer_ID_customer	Pegawai_NIK
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000001	2023-10-01	Kartu kredit	CTR002	2345678901234561
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000002	2023-10-03	Transfer bank	CTR004	3456789012345612
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000003	2023-10-05	Tunai	CTR001	3456789012345612
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000004	2023-10-15	Kartu debit	CTR003	1234567890123456
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000005	2023-10-15	E-wallet	CTR004	1234567890123456
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000006	2023-10-21	Tunai	CTR001	2345678901234561

e. Tabel menu_minuman

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: menu_minuman

Showing rows 0 - 9 (10 total, Query took 0.0003 seconds.)

`SELECT * FROM `menu_minuman``

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

			ID_minuman	Nama_minuman	Harga_minuman
<input type="checkbox"/>	Edit	Copy	Delete	MNM001	Espresso 18000
<input type="checkbox"/>	Edit	Copy	Delete	MNM002	Cappuccino 20000
<input type="checkbox"/>	Edit	Copy	Delete	MNM003	Latte 21000
<input type="checkbox"/>	Edit	Copy	Delete	MNM004	Americano 19000
<input type="checkbox"/>	Edit	Copy	Delete	MNM005	Mocha 22000
<input type="checkbox"/>	Edit	Copy	Delete	MNM006	Macchiato 23000
<input type="checkbox"/>	Edit	Copy	Delete	MNM007	Cold Brew 21000
<input type="checkbox"/>	Edit	Copy	Delete	MNM008	Iced Coffee 18000
<input type="checkbox"/>	Edit	Copy	Delete	MNM009	Affogato 23000
<input type="checkbox"/>	Edit	Copy	Delete	MNM010	Coffee Frappe 22000

f. Tabel transaksi_minuman

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: transaksi_minuman

Showing rows 0 - 11 (12 total, Query took 0.0004 seconds.)

`SELECT * FROM `transaksi_minuman``

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by

Extra options

				TM_Menu_minuman_ID	TM_Transaksi_ID	Jumlah_cup
<input type="checkbox"/>	Edit	Copy	Delete	MNM001	TRX0000003	3
<input type="checkbox"/>	Edit	Copy	Delete	MNM001	TRX0000005	1
<input type="checkbox"/>	Edit	Copy	Delete	MNM003	TRX0000002	2
<input type="checkbox"/>	Edit	Copy	Delete	MNM003	TRX0000003	1
<input type="checkbox"/>	Edit	Copy	Delete	MNM003	TRX0000006	2
<input type="checkbox"/>	Edit	Copy	Delete	MNM004	TRX0000004	2
<input type="checkbox"/>	Edit	Copy	Delete	MNM005	TRX0000002	1
<input type="checkbox"/>	Edit	Copy	Delete	MNM006	TRX0000005	2
<input type="checkbox"/>	Edit	Copy	Delete	MNM007	TRX0000001	1
<input type="checkbox"/>	Edit	Copy	Delete	MNM009	TRX0000005	1
<input type="checkbox"/>	Edit	Copy	Delete	MNM010	TRX0000001	1
<input type="checkbox"/>	Edit	Copy	Delete	MNM010	TRX0000004	1

Nomor 5

Sintaks:

```
INSERT INTO Transaksi(ID_transaksi, Tanggal_transaksi,  
Metode_pembayaran, Pegawai_NIK, Customer_ID_customer)
```

VALUES

```
('TRX0000007', '2023-10-03', 'Transfer bank',  
'2345678901234561', 'CTRo04');
```

```
INSERT INTO Transaksi_minuman(TM_Menu_minuman_ID,  
TM_Transaksi_ID, Jumlah_cup)
```

VALUES

```
('MNM005', 'TRX0000007', 1);
```

Hasil:

Server: 127.0.0.1 » Database: kedai_kopi_nun » Table: transaksi

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tran

Showing rows 0 - 6 (7 total, Query took 0.0004 seconds.)

SELECT * FROM `transaksi`

Profiling

[Edit inline]

[Edit]

[Explain SQL]

[Create PHP code]

[Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Extra options

ID_transaksi

Tanggal_transaksi

Metode_pembayaran

Customer_ID_customer

Pegawai_NIK

Edit

Copy

Delete

TRX0000001

2023-10-01

Kartu kredit

CTRo02

2345678901234561

Edit

Copy

Delete

TRX0000002

2023-10-03

Transfer bank

CTRo04

3456789012345612

Edit

Copy

Delete

TRX0000003

2023-10-05

Tunai

CTRo01

3456789012345612

Edit

Copy

Delete

TRX0000004

2023-10-15

Kartu debit

CTRo03

1234567890123456

Edit

Copy

Delete

TRX0000005

2023-10-15

E-wallet

CTRo04

1234567890123456

Edit

Copy

Delete

TRX0000006

2023-10-21

Tunai

CTRo01

2345678901234561

Edit

Copy

Delete

TRX0000007

2023-10-03

Transfer bank

CTRo04

2345678901234561

Nomor 6

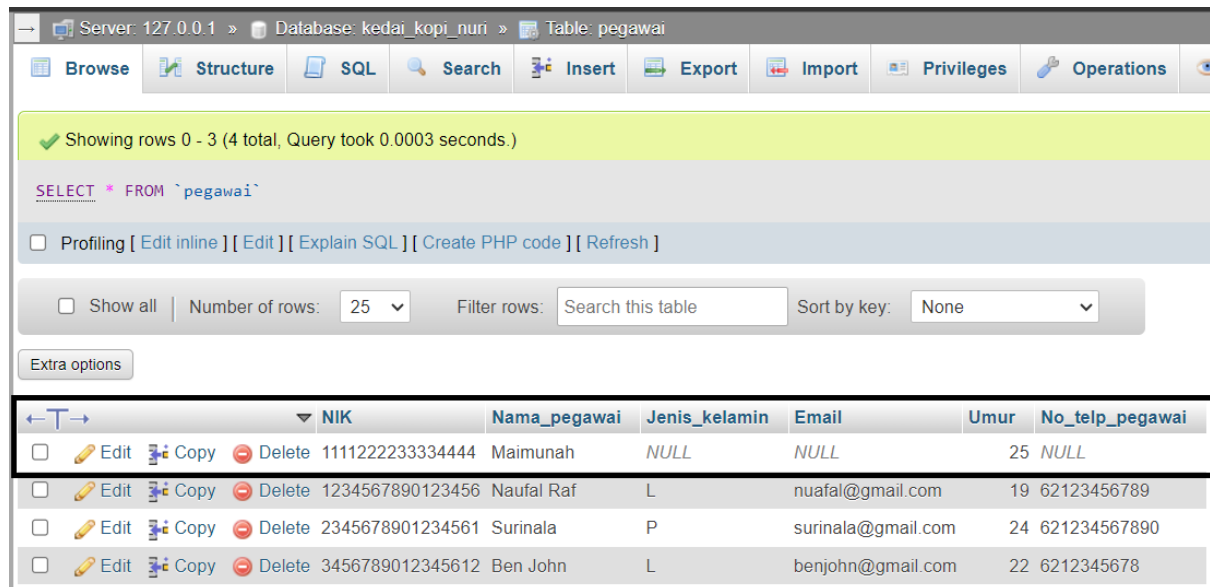
Sintaks:

```
INSERT INTO Pegawai (NIK, Nama_pegawai, Jenis_kelamin, Email, Umur, No_telp_pegawai)
```

VALUES

```
('1111222233334444', 'Maimunah', NULL, NULL, 25, NULL);
```

Hasil:



	NIK	Nama_pegawai	Jenis_kelamin	Email	Umur	No_telp_pegawai
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1111222233334444	Maimunah	NULL	NULL	25	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1234567890123456	Naufal Raf	L	nuafal@gmail.com	19	62123456789
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2345678901234561	Surinala	P	surinala@gmail.com	24	621234567890
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3456789012345612	Ben John	L	benjohn@gmail.com	22	6212345678

Nomor 7

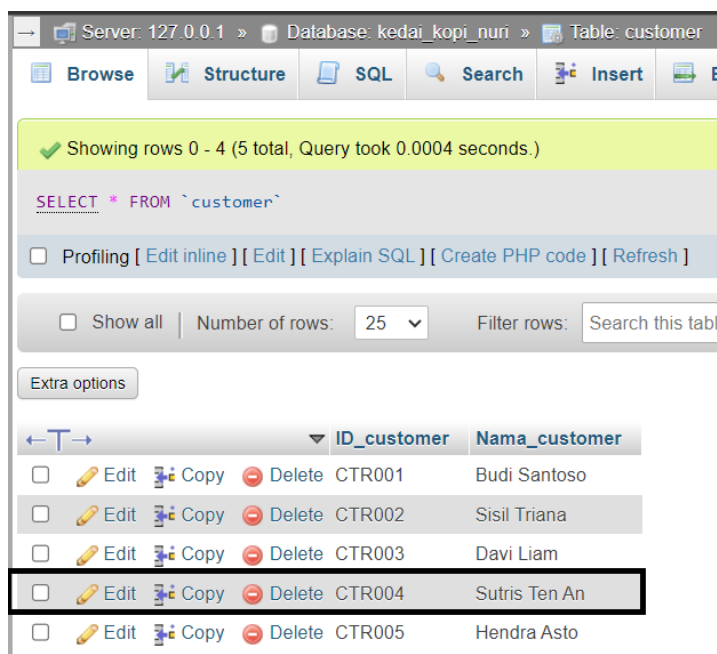
Sintaks:

```
UPDATE Customer
```

```
SET ID_customer = 'CTR004'
```

```
WHERE ID_customer = 'CTRo04';
```

Hasil:



	ID_customer	Nama_customer
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	CTR001	Budi Santoso
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	CTR002	Sisil Triana
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	CTR003	Davi Liam
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	CTR004	Sutris Ten An
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	CTR005	Hendra Asto

Nomor 8

Sintaks:

UPDATE Pegawai

```
SET Jenis_kelamin = 'P', No_telp_pegawai = '621234567', Email  
= 'maimunah@gmail.com'
```

```
WHERE Nama_pegawai = 'Maimunah';
```

Hasil:

Server: 127.0.0.1 » Database: kedai_kopi_nun » Table: pegawai

Browser

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

SELECT * FROM `pegawai`

☐

Profiling

[Edit inline]

[Edit]

[Explain SQL]

[Create PHP code]

[Refresh]

☐

Show all

|

Number of rows:

25

Filter rows:

Search this table

Sort by key:

None

Extra options

⬅️⬆️➡️

▼

NIK

Nama_pegawai

Jenis_kelamin

Email

Umur

No_telp_pegawai

☐

 Edit

Copy

Delete

1111222233334444

Maimunah

P

maimunah@gmail.com

25

621234567

☐

 Edit

Copy

Delete

1234567890123456

Naufal Raf

L

nuafal@gmail.com

19

62123456789

☐

 Edit

Copy

Delete

2345678901234561

Surinala

P

surinala@gmail.com

24

621234567890

☐

 Edit

Copy

Delete

3456789012345612

Ben John

L

benjohn@gmail.com

22

6212345678

Nomor 9

Sintaks:

UPDATE Membership

```
SET total_poin = 0
```

```
WHERE tanggal_kedaluawarsa_kartu_membership < '2023-12-01';
```

Hasil:

Sebelum:

Server: 127.0.0.1 > Database: keda_kopi_nun > Table: membership

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tracking

Triggers

Showing rows 0 - 3 (4 total, Query took 0.0004 seconds)

SELECT * FROM `membership`

Profiling

Edit inline

Edit

Explain SQL

Create PHP code

Refresh

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Extra options

←

→

▼ id_membership

no_telepon_customer

alamat_customer

tanggal_pembuatan_kartu_membership

tanggal_kedaluawarsa_kartu_membership

total_poin

Customer_ID_customer

✎

Edit

📄

Copy

🗑

Delete

MBR001

08123456789

Jl. Imam Bonjol

2023-10-24

2023-11-30

0

CTR001

✎

Edit

📄

Copy

🗑

Delete

MBR002

0812345678

Jl. Kelinci

2023-10-24

2023-11-30

3

CTR002

✎

Edit

📄

Copy

🗑

Delete

MBR003

081234567890

Jl. Abah Ojak

2023-10-25

2023-12-01

2

CTR003

✎

Edit

📄

Copy

🗑

Delete

MBR004

08987654321

Jl. Kenangan

2023-10-26

2023-12-02

6

CTR004

Sesudah:

 	id_membership	no_telepon_customer	alamat_customer	tanggal_pembuatan_kartu_membership	tanggal_kedaluwarsa_kartu_membership	total_poin	Customer_ID_customer
<input type="checkbox"/>   	MBR001	08123456789	Jl. Imam Bonjol	2023-10-24	2023-11-30	0	CTR001
<input type="checkbox"/>   	MBR002	0812345678	Jl. Kelinci	2023-10-24	2023-11-30	0	CTR002
<input type="checkbox"/>   	MBR003	081234567890	Jl. Abah Ojak	2023-10-25	2023-12-01	2	CTR003
<input type="checkbox"/>   	MBR004	08987654321	Jl. Kenangan	2023-10-26	2023-12-02	6	CTR004
 <input type="checkbox"/> Check all	With selected:    						

Nomor 10

Sintaks:

```
DELETE FROM Membership;
```

Hasil:

Sebelum:

Server: 127.0.0.1 > Database: kedai_kopi_nuri > Table: membership

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers













Showing rows 0 - 3 (4 total, Query took 0.0004 seconds)

SELECT * FROM `membership`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

		id_membership	no_telepon_customer	alamat_customer	tanggal_pembuatan_kartu_membership	tanggal_kedaluawarsa_kartu_membership	total_poin	Customer_ID_customer
			MBR001	08123456789	Jl. Imam Bonjol	2023-10-24	2023-11-30	0 CTR001
			MBR002	0812345678	Jl. Kelinci	2023-10-24	2023-11-30	0 CTR002
			MBR003	081234567890	Jl. Abah Ojak	2023-10-25	2023-12-01	2 CTR003
			MBR004	08987654321	Jl. Kenangan	2023-10-26	2023-12-02	6 CTR004

Sesudah:

The screenshot shows the MySQL Workbench interface. At the top, the server is identified as '127.0.0.1' and the database as 'kedar_kopi_nun'. The 'Table: membership' is selected. The main toolbar includes 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'Triggers'. Below the toolbar, a green status bar indicates 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)'. The SQL editor contains the query 'SELECT * FROM `membership`'. Below the editor, there are links for 'Profiling', 'Edit inline', 'Edit', 'Explain SQL', 'Create PHP code', and 'Refresh'. The table structure is displayed below, showing columns: 'id_membership', 'no_telepon_customer', 'alamat_customer', 'tanggal_pembuatan_kartu_membership', 'tanggal_kedaluawarsa_kartu_membership', 'total_poin', and 'Customer_ID_customer'. A 'Query results operations' dropdown menu is visible, with 'Create view' as an option.

Nomor 11

Sintaks:

DELETE FROM Pegawai

WHERE Nama_pegawai = 'Maimunah';

Hasil:

Sebelum:

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: pegawai

Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

```
SELECT * FROM `pegawai`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	NIK	Nama_pegawai	Jenis_kelamin	Email	Umur	No_telp_pegawai
<input type="checkbox"/> Edit Copy Delete	111122233334444	Maimunah	P	maimunah@gmail.com	25	621234567
<input type="checkbox"/> Edit Copy Delete	1234567890123456	Naufal Raf	L	nuafal@gmail.com	19	62123456789
<input type="checkbox"/> Edit Copy Delete	2345678901234561	Surinala	P	surinala@gmail.com	24	621234567890
<input type="checkbox"/> Edit Copy Delete	3456789012345612	Ben John	L	benjohn@gmail.com	22	6212345678

Sesudah:

Server: 127.0.0.1 » Database: kedai_kopi_nuri » Table: pegawai

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT * FROM `pegawai`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	NIK	Nama_pegawai	Jenis_kelamin	Email	Umur	No_telp_pegawai
<input type="checkbox"/> Edit Copy Delete	1234567890123456	Naufal Raf	L	nuafal@gmail.com	19	62123456789
<input type="checkbox"/> Edit Copy Delete	2345678901234561	Surinala	P	surinala@gmail.com	24	621234567890
<input type="checkbox"/> Edit Copy Delete	3456789012345612	Ben John	L	benjohn@gmail.com	22	6212345678