

## Praktikum 2 Sistem Basis Data 2023

**NRP / Nama** : 5025231014 / Muhammad Nabil Afrizal Rahmadani  
**Kelas** : D  
**RDBMS** : MySQL  
**Link SQL** : [script](#)  
**Kode Asdos** : D02  
**Sesi** : Praktikum, Sabtu 11 November 2023

### Nomor 1

Sintaks:

```
CREATE DATABASE servis_mobil_antara;

USE servis_mobil_antara;

CREATE TABLE pelanggan(
    p_id CHAR(16) NOT NULL,
    p_nama VARCHAR(60) NOT NULL,
    p_no_telp VARCHAR(15) NOT NULL,
    p_email VARCHAR(256),
    p_alamat VARCHAR(100) NOT NULL,
    CONSTRAINT pelanggan_PK PRIMARY KEY (p_id)
);

CREATE TABLE mobil(
    mb_vin CHAR(17) NOT NULL,
    mb_merk VARCHAR(20) NOT NULL,
    mb_tipe VARCHAR(30) NOT NULL,
    mb_tahun INTEGER NOT NULL,
    mb_warna VARCHAR(20) NOT NULL,
    mb_p_id CHAR(16) NOT NULL,
    CONSTRAINT mobil_PK PRIMARY KEY (mb_vin),
    CONSTRAINT mobil_pelanggan_FK FOREIGN KEY (mb_p_id) REFERENCES
    pelanggan(p_id)
);

CREATE TABLE tiket_servis(
    ts_id CHAR(8) NOT NULL,
    ts_waktu_masuk TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
    ts_waktu_keluar TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ts_deskripsi VARCHAR(400) NOT NULL,
    ts_komentaar VARCHAR(400),
    ts_p_id CHAR(16) NOT NULL,
    ts_mb_vin CHAR(17) NOT NULL,
    CONSTRAINT tiket_servis_PK PRIMARY KEY (ts_id),
```

```

        CONSTRAINT tiket_servis_pelanggan_FK FOREIGN KEY (ts_p_id)
REFERENCES pelanggan(p_id),
        CONSTRAINT tiket_servis_mobil_FK FOREIGN KEY (ts_mb_vin) REFERENCES
mobil(mb_vin)
);

CREATE TABLE mekanik(
    mk_id CHAR(6) NOT NULL,
    mk_nama VARCHAR(60) NOT NULL,
    CONSTRAINT mekanik_PK PRIMARY KEY (mk_id)
);

CREATE TABLE mekanik_servis(
    mksv_mk_id CHAR(6) NOT NULL,
    mksv_ts_id CHAR(8) NOT NULL,
    CONSTRAINT Relation_8_PK PRIMARY KEY (mksv_mk_id, mksv_ts_id),
    CONSTRAINT Relation_8_Mekanik_FK FOREIGN KEY (mksv_mk_id)
REFERENCES mekanik(mk_id),
    CONSTRAINT Relation_8_tiket_servis_FK FOREIGN KEY (mksv_ts_id)
REFERENCES tiket_servis(ts_id)
);

CREATE TABLE suku_cadang(
    sc_id CHAR(7) NOT NULL,
    sc_nama VARCHAR(120) NOT NULL,
    sc_deskripsi VARCHAR(100) NOT NULL,
    sc_harga DECIMAL(10, 2) NOT NULL,
    CONSTRAINT suku_cadang_PK PRIMARY KEY (sc_id)
);

CREATE TABLE suku_cadang_servis(
    scsv_ts_id CHAR(8) NOT NULL,
    scsv_sc_id CHAR(7) NOT NULL,
    CONSTRAINT Relation_9_PK PRIMARY KEY (scsv_ts_id, scsv_sc_id),
    CONSTRAINT Relation_9_tiket_servis_FK FOREIGN KEY (scsv_ts_id)
REFERENCES tiket_servis(ts_id),
    CONSTRAINT Relation_9_suku_cadang_FK FOREIGN KEY (scsv_sc_id)
REFERENCES suku_cadang(sc_id)
);

```

Hasil:

Server: 127.0.0.1 » Database: servis\_mobil\_antara

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> mekanik	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> mekanik_servis	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> mobil	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> pelanggan	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> suku_cadang	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> suku_cadang_servis	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> tiket_servis	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
7 tables	Sum	0	InnoDB	utf8mb4_general_ci	192.0 KiB	0 B

## Nomor 2

Sintaks:

```
-- Soal 2
CREATE TABLE supplier(
    sp_id CHAR(6) NOT NULL,
    sp_nama VARCHAR(60) NOT NULL,
    sp_no_telp VARCHAR(15) NOT NULL,
    sp_email VARCHAR(256) NOT NULL,
    sp_alamat VARCHAR(100) NOT NULL,
    CONSTRAINT supplier_PK PRIMARY KEY (sp_id)
);
```

Hasil:

Server: 127.0.0.1 » Database: servis\_mobil\_antara » Table: supplier

Browse Structure SQL Search Insert Export Import Privileges O

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	sp_id	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	sp_nama	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	sp_no_telp	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	sp_email	varchar(256)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	sp_alamat	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

## Nomor 3

Sintaks:

```
RENAME TABLE mekanik TO pegawai;
CREATE TABLE posisi(
    ps_id CHAR(6) NOT NULL,
    ps_nama VARCHAR(15) NOT NULL,
    CONSTRAINT posisi_PK PRIMARY KEY (ps_id)
);
```

```
ALTER TABLE pegawai
ADD pegawai_posisi CHAR(6) NOT NULL,
ADD CONSTRAINT pegawai_posisi_FK FOREIGN KEY (pegawai_posisi)
REFERENCES posisi(ps_id);
```

Hasil:

Server: 127.0.0.1 » Database: servis\_mobil\_antara » Table: posisi

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	ps_id	char(6)	utf8mb4_general_ci		No	None			Change Drop More
2	ps_nama	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More

Server: 127.0.0.1 » Database: servis\_mobil\_antara » Table: pegawai

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	mk_id	char(6)	utf8mb4_general_ci		No	None			Change Drop More
2	mk_nama	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
3	pegawai_posisi	char(6)	utf8mb4_general_ci		No	None			Change Drop More

#### Nomor 4

Sintaks:

```
ALTER TABLE pegawai
DROP CONSTRAINT pegawai_posisi_FK;

ALTER TABLE pegawai
DROP COLUMN pegawai_posisi;

DROP TABLE posisi;

ALTER TABLE pegawai
ADD COLUMN mk_posisi VARCHAR(15) NOT NULL;
```

Hasil:

Table	Action	Rows	Type	Collation	Size	Overhead
mekanik_servis	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
mobil	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
pegawai	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
pelanggan	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
suku_cadang	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
suku_cadang_servis	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
supplier	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
tiket_servis	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
8 tables	Sum	0	InnoDB	utf8mb4_general_ci	224.0 KiB	0 B

Server: 127.0.0.1 » Database: servis\_mobil\_antera » Table: pegawai

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

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

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	mk_id	char(6)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 2	mk_nama	varchar(60)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 3	mk_posisi	varchar(15)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

## Nomor 5

Sintaks:

```
INSERT INTO supplier(sp_id, sp_nama, sp_no_telp, sp_email, sp_alamat)
VALUES
    ('SP0001', 'Indotrading', '6282283741247',
    'indotrading@rocketmail.com', 'Jl. Bambu no 5'),
    ('SP0002', 'Jayasinda', '628227428238', 'Jayasinda@yahoo.com', 'Jl.
Padi no 12'),
    ('SP0003', 'SAS Autoparts', '6282212382311', 'sasparts@gmail.com',
    'Jl. Sorghum no 24');

INSERT INTO pelanggan(p_id, p_nama, p_no_telp, p_email, p_alamat)
VALUES
    ('3225011201880002', 'Andy Williams', '62123456789',
    'andy@gmail.com', 'Jl. Apel no 1'),
    ('3525010706950001', 'Marshall Paul', '621451871011',
    'paulan@gmail.com', 'Jl. Jeruk no 12'),
    ('3525016005920002', 'Kazuya Tanaka', '62190129190',
    'tanaka@gmail.com', 'Jl. JKT no 48'),
    ('3975311107780001', 'Budi Prutomo', '621545458901', NULL, 'Jl.
Nanas no 45'),
    ('3098762307810002', 'Razai Ambudi', '621898989102', NULL, 'Jl.
Mangga no 2');

INSERT INTO mobil(mb_vin, mb_merk, mb_tipe, mb_tahun, mb_warna,
mb_p_id)
VALUES
    ('JN8AZ1MW4BW678706', 'Nissan', 'Murano', 2011, 'biru',
    '3525010706950001'),
    ('2LMTJ8JP0GSJ00175', 'Lincoln', 'MKX', 2016, 'merah',
    '3525016005920002'),
    ('ZFF76ZHT3E0201920', 'Ferrari', 'Ferrari', 2014, 'merah',
    '3975311107780001'),
    ('1HGCP26359A157554', 'Honda', 'Accord', 2009, 'hitam',
    '3225011201880002'),
    ('5YJSA1DN5CFP01785', 'Tesla', 'Model S', 2012, 'putih',
    '3098762307810002');
```

```

INSERT INTO pegawai(mk_id, mk_nama, mk_posisi)
VALUES
('MK0001', 'Walter Jones', 'mekanik'),
('MK0002', 'Kentaki Veraid', 'kasir'),
('MK0003', 'Leo', 'mekanik'),
('MK0004', 'Reyhand Janita', 'pencuci'),
('MK0005', 'Elizabeth Alexandra', 'mekanik');

INSERT INTO suku_cadang(sc_id, sc_nama, sc_deskripsi, sc_harga)
VALUES
('SC00001', 'Damper', 'Damper Per Belakang Original', 800000.00),
('SC00002', 'Coil', 'Ignition Coil Ignition Denso Jepang',
550000.00),
('SC00003', 'Selang Filter', 'Selang Filter Udara Original',
560000.00),
('SC00004', 'Bushing', 'Bushing Upper Arm Original', 345000.00),
('SC00005', 'Radiator Racing', 'Radiator Racing Kotorad Manual
Diesel', 6750000.00);

INSERT INTO tiket_servis(ts_id, ts_waktu_masuk, ts_waktu_keluar,
ts_deskripsi, ts_komentar, ts_p_id, ts_mb_vin)
VALUES
('TS000001', '2023-11-05 08:00:00', '2023-11-05 16:30:00', 'Mobil
mengalami getaran yang tidak normal saat berkendara. Untuk
memperbaikinya, kami akan mengganti damper yang aus dan juga bushing
yang telah rusak.', 'Saya sangat puas dengan perbaikan ini. Mobil saya
sekarang berjalan lebih halus dan getarannya hilang. Terima kasih atas
pelayanan yang baik!', '3098762307810002', '5YJSA1DN5CFP01785'),
('TS000002', '2023-11-05 09:15:00', '2023-11-05 17:45:00', 'Mesin
mobil sering mati secara tiba-tiba atau tidak berjalan dengan baik.
Permasalahannya terletak pada coil ignition yang bermasalah. Kami akan
menggantinya dan melakukan pengaturan ulang untuk memastikan kinerja
mesin yang lebih baik.', 'Mesin mobil saya sekarang berjalan seperti
baru lagi. Tidak ada lagi mati mendadak, dan kinerjanya sangat baik.
Pelayanan yang cepat dan profesional.', '3975311107780001',
'ZFF76ZHT3E0201920'),
('TS000003', '2023-11-06 10:30:00', '2023-11-06 18:15:00', 'Untuk
meningkatkan kinerja pendinginan mesin, kami akan membersihkan radiator
dan memeriksa apakah ada kerusakan atau kebocoran. Jika diperlukan,
kami akan mengganti komponen yang rusak.', 'Mobil saya sekarang tidak
lagi mengalami masalah panas berlebihan. Radiator berfungsi dengan
baik, dan saya merasa aman saat berkendara. Terima kasih atas perbaikan
yang berkualitas.', '3525016005920002', '2LMTJ8JP0GSJ00175'),
('TS000004', '2023-11-06 11:45:00', '2023-11-06 19:30:00', 'Mobil
mengalami masalah saat memasok bahan bakar ke mesin. Masalah ini
terjadi karena selang filter bahan bakar yang tersumbat. Kami akan
menggantinya sehingga aliran bahan bakar menjadi lancar kembali.',
'Setelah penggantian selang filter bahan bakar, mobil saya kembali

```

```
berjalan dengan lancar. Tidak ada lagi masalah pengiriman bahan bakar.
Pelayanan yang sangat membantu', '3525010706950001',
'JN8AZ1MW4BW678706'),
    ('TS000005', '2023-11-06 12:30:00', '2023-11-06 20:00:00', 'Mobil
akan menjalani pemeliharaan komprehensif, termasuk pemeriksaan seluruh
sistem. Ini termasuk penggantian damper yang aus, coil ignition yang
bermasalah, serta pemeriksaan dan perawatan selang filter dan radiator
racing. Semua suku cadang yang perlu diganti akan diperbaiki agar mobil
berfungsi seperti semula.', 'Pemeliharaan komprehensif yang telah
dilakukan membuat mobil saya seperti baru. Semua masalah telah
diperbaiki, dan saya merasa yakin dengan kualitas perbaikan yang
diberikan. Terima kasih atas kerja kerasnya', '3225011201880002',
'1HGCP26359A157554');
```

```
INSERT INTO mekanik_servis(mksv_ts_id, mksv_mk_id)
```

```
VALUES
```

```
('TS000001', 'MK0005'),
('TS000002', 'MK0003'),
('TS000002', 'MK0004'),
('TS000003', 'MK0005'),
('TS000004', 'MK0003'),
('TS000005', 'MK0001'),
('TS000005', 'MK0005'),
('TS000005', 'MK0004');
```

```
INSERT INTO suku_cadang_servis(scsv_ts_id, scsv_sc_id)
```

```
VALUES
```

```
('TS000001', 'SC00001'),
('TS000001', 'SC00004'),
('TS000002', 'SC00002'),
('TS000003', 'SC00005'),
('TS000004', 'SC00003'),
('TS000005', 'SC00001'),
('TS000005', 'SC00002'),
('TS000005', 'SC00003'),
('TS000005', 'SC00005');
```

Hasil:

## Tabel supplier:

<code>SELECT * FROM `supplier`</code>						
<input type="checkbox"/> Profiling [ <a href="#">Edit inline</a> ] [ <a href="#">Edit</a> ] [ <a href="#">Explain SQL</a> ] [ <a href="#">Create PHP code</a> ] [ <a href="#">Refresh</a> ]						
<input type="checkbox"/> Show all   Number of rows: 25   Filter rows: Search this table   Sort by key: None						
Extra options						
<div>← T →</div>						
▼ sp_id sp_nama sp_no_telp sp_email sp_alamat						
<input type="checkbox"/>	Edit	Copy	Delete	SP0001	Indotrading	6282283741247 indotrading@rocketmail.com Jl. Bambu no 5
<input type="checkbox"/>	Edit	Copy	Delete	SP0002	Jayasinda	628227428238 Jayasinda@yahoo.com Jl. Padi no 12
<input type="checkbox"/>	Edit	Copy	Delete	SP0003	SAS Autoparts	6282212382311 sasparts@gmail.com Jl. Sorghum no 24

## Tabel pelanggan:

<code>SELECT * FROM `pelanggan`</code>						
<input type="checkbox"/> Profiling [ <a href="#">Edit inline</a> ] [ <a href="#">Edit</a> ] [ <a href="#">Explain SQL</a> ] [ <a href="#">Create PHP code</a> ] [ <a href="#">Refresh</a> ]						
<input type="checkbox"/> Show all   Number of rows: 25   Filter rows: Search this table   Sort by key: None						
Extra options						
<div>← T →</div>						
▼ p_id p_nama p_no_telp p_email p_alamat						
<input type="checkbox"/>	Edit	Copy	Delete	3098762307810002	Razai Ambudi	621898989102 NULL Jl. Mangga no 2
<input type="checkbox"/>	Edit	Copy	Delete	3225011201880002	Andy Williams	62123456789 andy@gmail.com Jl. Apel no 1
<input type="checkbox"/>	Edit	Copy	Delete	3525010706950001	Marshall Paul	621451871011 paulan@gmail.com Jl. Jeruk no 12
<input type="checkbox"/>	Edit	Copy	Delete	3525016005920002	Kazuya Tanaka	62190129190 tanaka@gmail.com Jl. JKT no 48
<input type="checkbox"/>	Edit	Copy	Delete	3975311107780001	Budi Prutomo	621545458901 NULL Jl. Nanas no 45

## Tabel mobil:

<code>SELECT * FROM `mobil`</code>							
<input type="checkbox"/> Profiling [ <a href="#">Edit inline</a> ] [ <a href="#">Edit</a> ] [ <a href="#">Explain SQL</a> ] [ <a href="#">Create PHP code</a> ] [ <a href="#">Refresh</a> ]							
<input type="checkbox"/> Show all   Number of rows: 25   Filter rows: Search this table   Sort by key: None							
Extra options							
<div>← T →</div>							
▼ mb_vin mb_merk mb_tipe mb_tahun mb_warna mb_p_id							
<input type="checkbox"/>	Edit	Copy	Delete	1HGCP26359A157554	Honda	Accord	2009 hitam 3225011201880002
<input type="checkbox"/>	Edit	Copy	Delete	2LMTJ8JP0GSJ00175	Lincoln	MKX	2016 merah 3525016005920002
<input type="checkbox"/>	Edit	Copy	Delete	5YJSA1DN5CFP01785	Tesla	Model S	2012 putih 3098762307810002
<input type="checkbox"/>	Edit	Copy	Delete	JN8AZ1MW4BW678706	Nissan	Murano	2011 biru 3525010706950001
<input type="checkbox"/>	Edit	Copy	Delete	ZFF76ZHT3E0201920	Ferrari	Ferrari	2014 merah 3975311107780001



## Tabel pegawai:

`SELECT * FROM `pegawai``

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

☐ Show all | Number of rows:  Filter rows:

Extra options

				mk_id	mk_nama	mk_posisi
<input type="checkbox"/>				MK0001	Walter Jones	mekanik
<input type="checkbox"/>				MK0002	Kentaki Veraid	kasir
<input type="checkbox"/>				MK0003	Leo	mekanik
<input type="checkbox"/>				MK0004	Reyhand Janita	pencuci
<input type="checkbox"/>				MK0005	Elizabeth Alexandra	mekanik

## Tabel suku\_cadang:

`SELECT * FROM `suku_cadang``

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

☐ Show all | Number of rows:  Filter rows:  Sort by key:

Extra options

				sc_id	sc_nama	sc_deskripsi	sc_harga
<input type="checkbox"/>				SC00001	Damper	Damper Per Belakang Original	800000.00
<input type="checkbox"/>				SC00002	Coil	Ignition Coil Ignition Denso Jepang	550000.00
<input type="checkbox"/>				SC00003	Selang Filter	Selang Filter Udara Original	560000.00
<input type="checkbox"/>				SC00004	Bushing	Bushing Upper Arm Original	345000.00
<input type="checkbox"/>				SC00005	Radiator Racing	Radiator Racing Kotorad Manual Diesel	6750000.00

## Tabel tiket\_servis:

`SELECT * FROM `tiket_servis``

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

☐ Show all | Number of rows:  Filter rows:  Sort by key:

Extra options

				ts_id	ts_waktu_masuk	ts_waktu_keluar	ts_deskripsi	ts_komentar	ts_p_id	ts_mb_vin
<input type="checkbox"/>				TS000001	2023-11-05 08:00:00	2023-11-05 16:30:00	Mobil mengalami getaran yang tidak normal saat ber...	Saya sangat puas dengan perbaikan ini. Mobil saya ...	3098762307810002	5YJSA1DN5CFP01785
<input type="checkbox"/>				TS000002	2023-11-05 09:15:00	2023-11-05 17:45:00	Mesin mobil sering mati secara tiba-tiba atau tida...	Mesin mobil saya sekarang berjalan seperti baru la...	3975311107780001	ZFF76ZHT3E0201920
<input type="checkbox"/>				TS000003	2023-11-06 10:30:00	2023-11-06 18:15:00	UntuK meningkatkan kinerja pendinginan mesin, kami...	Mobil saya sekarang tidak lagi mengalami masalah p...	3525016005920002	2LMTJ8JP0GSJ00175
<input type="checkbox"/>				TS000004	2023-11-06 11:45:00	2023-11-06 19:30:00	Mobil mengalami masalah saat memasok bahan bakar k...	Setelah penggantian selang filter bahan bakar, mob...	3525010706950001	JN8AZ1MW4BW678706
<input type="checkbox"/>				TS000005	2023-11-06 12:30:00	2023-11-06 20:00:00	Mobil akan menjalani pemeliharaan komprehensif, te...	Pemeliharaan komprehensif yang telah dilakukan mem...	3225011201880002	1HGCP26359A157554

Tabel mekanik\_servis:

<pre>SELECT * FROM `mekanik_servis`</pre>					
<input type="checkbox"/> Profiling [ <a href="#">Edit inline</a> ] [ <a href="#">Edit</a> ] [ <a href="#">Explain SQL</a> ] [ <a href="#">Create PHP code</a> ]					
<input type="checkbox"/> Show all   Number of rows: 25 ▼ Filter rows: <input type="text"/>					
Extra options					
<div> <div>← T →</div> <div>▼</div> </div>		mksv_mk_id		mksv_ts_id	
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0001 TS000005				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0003 TS000002				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0003 TS000004				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0004 TS000002				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0004 TS000005				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0005 TS000001				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0005 TS000003				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	MK0005 TS000005				

Tabel suku\_cadang\_servis:

<pre>SELECT * FROM `suku_cadang_servis`</pre>					
<input type="checkbox"/> Profiling [ <a href="#">Edit inline</a> ] [ <a href="#">Edit</a> ] [ <a href="#">Explain SQL</a> ] [ <a href="#">Create PHP code</a> ]					
<input type="checkbox"/> Show all   Number of rows: 25 ▼ Filter rows: <input type="text"/>					
Extra options					
<div> <div>← T →</div> <div>▼</div> </div>		scsv_ts_id		scsv_sc_id	
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000001 SC00001				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000001 SC00004				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000002 SC00002				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000003 SC00005				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000004 SC00003				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000005 SC00001				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000005 SC00002				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000005 SC00003				
<input type="checkbox"/>		<a href="#">Edit</a>		<a href="#">Copy</a>	Delete
	TS000005 SC00005				

## Nomor 6

Sintaks:

```
UPDATE tiket_servis
SET ts_waktu_keluar = CURRENT_TIMESTAMP;
```

Hasil:

SELECT \* FROM `tiket\_servis`

☐ 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

		ts_id	ts_waktu_masuk	ts_waktu_keluar	ts_deskripsi	ts_komentar	ts_p_id	ts_mb_vin
<input type="checkbox"/>		TS000001	2023-11-05 08:00:00	2023-11-11 16:46:42	Mobil mengalami getaran yang tidak normal saat ber...	Saya sangat puas dengan perbaikan ini. Mobil saya ...	3098762307810002	5YJSA1DN5CFP01785
<input type="checkbox"/>		TS000002	2023-11-05 09:15:00	2023-11-11 16:46:42	Mesin mobil sering mati secara tiba-tiba atau tida...	Mesin mobil saya sekarang berjalan seperti baru la...	3975311107780001	ZFF76ZHT3E0201920
<input type="checkbox"/>		TS000003	2023-11-06 10:30:00	2023-11-11 16:46:42	UntuK meningkatkan kinerja pendinginan mesin, kami...	Mobil saya sekarang tidak lagi mengalami masalah p...	3525016005920002	2LMTJ8JP0GSJ00175
<input type="checkbox"/>		TS000004	2023-11-06 11:45:00	2023-11-11 16:46:42	Mobil mengalami masalah saat memasok bahan bakar k...	Setelah penggantian selang filter bahan bakar, mob...	3525010706950001	JN8AZ1MW4BW678706
<input type="checkbox"/>		TS000005	2023-11-06 12:30:00	2023-11-11 16:46:42	Mobil akan menjalani pemeliharaan komprehensif, te...	Pemeliharaan komprehensif yang telah dilakukan mem...	3225011201880002	1HGCP26359A157554

## Nomor 7

Sintaks:

```
UPDATE pelanggan
SET p_nama = 'Andi Williams', p_email = 'andi@bing.com', p_alamat =
'Jl. Koreka No. 15'
WHERE p_id = '3225011201880002';
```

Hasil:

SELECT \* FROM `pelanggan`

☐ 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

		p_id	p_nama	p_no_telp	p_email	p_alamat
<input type="checkbox"/>		3098762307810002	Razai Ambudi	621898989102	NULL	Jl. Mangga no 2
<input type="checkbox"/>		3225011201880002	Andi Williams	62123456789	andi@bing.com	Jl. Koreka No. 15
<input type="checkbox"/>		3525010706950001	Marshall Paul	621451871011	paulan@gmail.com	Jl. Jeruk no 12
<input type="checkbox"/>		3525016005920002	Kazuya Tanaka	62190129190	tanaka@gmail.com	Jl. JKT no 48
<input type="checkbox"/>		3975311107780001	Budi Prutomo	621545458901	NULL	Jl. Nanas no 45

## Nomor 8

Sintaks:

```
ALTER TABLE suku_cadang
ADD sp_id CHAR(6),
ADD CONSTRAINT sc_sp_FK FOREIGN KEY (sp_id) REFERENCES supplier(sp_id);

UPDATE suku_cadang
SET sp_id = 'SP0001'
WHERE sc_id = 'SC00004';

UPDATE suku_cadang
SET sp_id = 'SP0002'
WHERE sc_id IN ('SC00001', 'SC00003');

UPDATE suku_cadang
SET sp_id = 'SP0003'
WHERE sc_id IN ('SC00002', 'SC00005');
```

Hasil:

Server: 127.0.0.1 » Database: servis\_mobil\_antara » Table: suku\_cadang

Browse Structure SQL Search Insert Export Import Privileges Operations

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 <b>sc_id</b> 🔑	char(7)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	2 <b>sc_nama</b>	varchar(120)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 <b>sc_deskripsi</b>	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	4 <b>sc_harga</b>	decimal(10,2)			No	None			Change  Drop  More
<input type="checkbox"/>	5 <b>sp_id</b> 🔑	char(6)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More

[SELECT \\* FROM `suku\\_cadang`](#)

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

☐ Show all | Number of rows: 25 ▼ Filter rows:  Sort by key:

Extra options

			sc_id	sc_nama	sc_deskripsi	sc_harga	sp_id	
<input type="checkbox"/>	Edit	Copy	Delete	SC00001	Damper	Damper Per Belakang Original	800000.00	SP0002
<input type="checkbox"/>	Edit	Copy	Delete	SC00002	Coil	Ignition Coil Ignition Denso Jepang	550000.00	SP0003
<input type="checkbox"/>	Edit	Copy	Delete	SC00003	Selang Filter	Selang Filter Udara Original	560000.00	SP0002
<input type="checkbox"/>	Edit	Copy	Delete	SC00004	Bushing	Bushing Upper Arm Original	345000.00	SP0001
<input type="checkbox"/>	Edit	Copy	Delete	SC00005	Radiator Racing	Radiator Racing Kotorad Manual Diesel	6750000.00	SP0003

## Nomor 9

Sintaks:

```
UPDATE suku_cadang
SET sc_harga = sc_harga + (sc_harga * 0.1)
WHERE sc_harga > 500000;
```

Hasil:

`SELECT * FROM `suku_cadang``

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

☐ Show all | Number of rows:  Filter rows:  Sort by key:

Extra options

				sc_id	sc_nama	sc_deskripsi	sc_harga	sp_id
<input type="checkbox"/>				SC00001	Damper	Damper Per Belakang Original	880000.00	SP0002
<input type="checkbox"/>				SC00002	Coil	Ignition Coil Ignition Denso Jepang	605000.00	SP0003
<input type="checkbox"/>				SC00003	Selang Filter	Selang Filter Udara Original	616000.00	SP0002
<input type="checkbox"/>				SC00004	Bushing	Bushing Upper Arm Original	345000.00	SP0001
<input type="checkbox"/>				SC00005	Radiator Racing	Radiator Racing Kotorad Manual Diesel	7425000.00	SP0003

## Nomor 10

Sintaks:

```
INSERT INTO tiket_servis(ts_id, ts_waktu_masuk, ts_waktu_keluar,
ts_deskripsi, ts_komentar, ts_p_id, ts_mb_vin)
VALUES
('TS000006', '2023-11-10 09:05:00', NULL, 'Mobil mengalami
kerusakan damper belakang. Terdapat kebocoran cairan hidrolis dan
kondisi damper sudah aus. Kami akan mengganti damper belakang.', NULL,
'3525016005920002', '2LMTJ8JP0GSJ00175');

INSERT INTO mekanik_servis(mksv_ts_id, mksv_mk_id)
VALUES
('TS000006', 'MK0001');

INSERT INTO suku_cadang_servis(scsv_ts_id, scsv_sc_id)
VALUES
('TS000006', 'SC00001');
```

Hasil:

←T→	ts_id	ts_waktu_masuk	ts_waktu_keluar	ts_deskripsi	ts_komentar	ts_p_id	ts_mb_vin
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000001	2023-11-05 08:00:00	2023-11-11 17:01:26	Mobil mengalami getaran yang tidak normal saat ber...	Saya sangat puas dengan perbaikan ini. Mobil saya ...	3098762307810002	5YJSA1DN5CFP01785
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000002	2023-11-05 09:15:00	2023-11-11 17:01:26	Mesin mobil sering mati secara tiba-tiba atau tida...	Mesin mobil saya sekarang berjalan seperti baru la...	3975311107780001	ZFF76ZHT3E0201920
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000003	2023-11-06 10:30:00	2023-11-11 17:01:26	UntuK meningkatkan kinerja pendinginan mesin, kami...	Mobil saya sekarang tidak lagi mengalami masalah p...	3525016005920002	2LMTJ8JP0GSJ00175
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000004	2023-11-06 11:45:00	2023-11-11 17:01:26	Mobil mengalami masalah saat memasok bahan bakar k...	Setelah penggantian selang filter bahan bakar, mob...	3525010706950001	JN8AZ1MW4BW678706
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000005	2023-11-06 12:30:00	2023-11-11 17:01:26	Mobil akan menjalani pemeliharaan komprehensif, te...	Pemeliharaan komprehensif yang telah dilakukan mem...	3225011201880002	1HGCP26359A157554
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000006	2023-11-10 09:05:00	NULL	Mobil mengalami kerusakan damper belakang. Terdapat...	NULL	3525016005920002	2LMTJ8JP0GSJ00175

←T→	mksv_mk_id	mksv_ts_id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0001	TS000005
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0001	TS000006
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0003	TS000002
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0003	TS000004
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0004	TS000002
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0004	TS000005
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0005	TS000001
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0005	TS000003
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	MK0005	TS000005

←T→	scsv_ts_id	scsv_sc_id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000001	SC00001
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000001	SC00004
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000002	SC00002
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000003	SC00005
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000004	SC00003
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000005	SC00001
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000005	SC00002
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000005	SC00003
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000005	SC00005
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	TS000006	SC00001

## Nomor 11

Sintaks:

```
UPDATE tiket_servis
SET
ts_waktu_keluar = CURRENT_TIMESTAMP,
ts_komentar = 'kurang memuaskan'
WHERE ts_id = 'TS000006';
```

Hasil:

Tabel tiket\_servis:

<input type="checkbox"/>	Edit  Copy  Delete	TS000006	2023-11-10 09:05:00	2023-11-11 17:07:54	Mobil mengalami kerusakan damper belakang. Terdapat...	kurang memuaskan	3525016005920002	2LMTJ8JP0GSJ00175
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## Nomor 12

Sintaks:

```
DELETE FROM mekanik_servis
WHERE mksv_mk_id = 'MK0001';

DELETE FROM pegawai
WHERE mk_nama = 'Walter Jones';
```

Hasil:

				mksv_mk_id	mksv_ts_id
<input type="checkbox"/>	Edit	Copy	Delete	MK0003	TS000002
<input type="checkbox"/>	Edit	Copy	Delete	MK0003	TS000004
<input type="checkbox"/>	Edit	Copy	Delete	MK0004	TS000002
<input type="checkbox"/>	Edit	Copy	Delete	MK0004	TS000005
<input type="checkbox"/>	Edit	Copy	Delete	MK0005	TS000001
<input type="checkbox"/>	Edit	Copy	Delete	MK0005	TS000003
<input type="checkbox"/>	Edit	Copy	Delete	MK0005	TS000005

				mk_id	mk_nama	mk_posisi
<input type="checkbox"/>	Edit	Copy	Delete	MK0002	Kentaki Veraid	kasir
<input type="checkbox"/>	Edit	Copy	Delete	MK0003	Leo	mekanik
<input type="checkbox"/>	Edit	Copy	Delete	MK0004	Reyhand Janita	pencuci
<input type="checkbox"/>	Edit	Copy	Delete	MK0005	Elizabeth Alexandra	mekanik