

NAMA : Ahmad Santoso

NIM : 311710427

KELAS : TI.17.D2

## PRAKTIKUM 5

1. Buat database baru dengan nama **sewamobil**;
2. Isi data pada table tersebut.

kode	jenis	merk	tarif	nopol
M001	SEDAN	BMW E5	500000	BG1234AA
M002	SEDAN	HONDA CRU	350000	BG2345BB
M003	BUS	MERCEDEZ	1000000	BG3456CC
M004	BUS	DYNA	800000	BG8443DD
M005	TRUCK	HYNO ZX	1500000	BG4638EE
M006	TRUCK	DYNA X1	1500000	BG8473FF

kode	nana	kontak	alamat	kota	kodepos	telpn
P001	PT FOX RIVER	HENDRA	JL. JEND. SUDIRMAN 657	BENGKULU	30245	1234567
P002	CU FOXCON	IWAN	JL. WAHID HASYIM 743	JAKARTA	73429	234567
P003	PT FARMACOM	YANI	JL. AHMAD DAHLAN 45	LAMPUNG	28349	3334445

nofaktursewa	kodepelanggan	tglsewa	kodenobil	lanasewa	uangmuka
F001	P001	2008-12-01	M001	2	200000
F001	P001	2008-12-01	M003	2	200000
F002	P002	2008-12-02	M002	1	100000

Buat query untuk menampilkan data seperti berikut:

1.

kode	jenis	merk	nofaktursewa	tglsewa	lanasewa
M001	SEDAN	BMW E5	F001	2008-12-01	2
M002	SEDAN	HONDA CRU	F002	2008-12-02	1
M003	BUS	MERCEDEZ	F001	2008-12-01	2
M004	BUS	DYNA	NULL	NULL	NULL
M005	TRUCK	HYNO ZX	NULL	NULL	NULL
M006	TRUCK	DYNA X1	NULL	NULL	NULL

2.

nofaktursewa	nana	tglsewa	jenis	merk	lanasewa	uangmuka
F001	PT FOX RIVER	2008-12-01	SEDAN	BMW E5	2	200000
F001	PT FOX RIVER	2008-12-01	BUS	MERCEDEZ	2	200000
F002	CU FOXCON	2008-12-02	SEDAN	HONDA CRU	1	100000

3.

nana	kota	nofaktursewa	tglsewa	kodemobil	lanasewa	uangmuka
PT FOX RIVER	BENGKULU	F001	2008-12-01	M001	2	200000
PT FOX RIVER	BENGKULU	F001	2008-12-01	M003	2	200000
CU FOXCON	JAKARTA	F002	2008-12-02	M002	1	100000
PT FARMACOM	LAMPUNG	NULL	NULL	NULL	NULL	NULL

Create database praktikum5;

```
MariaDB [(none)]> create database praktikum5;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use praktikum5;
Database changed
```

1. Buatlah table data sebagai berikut

kode	jenis	merk	tarif	nopol
M001	SEDAN	BMW E5	500000	BG1234AA
M002	SEDAN	HONDA CRV	350000	BG2345BB
M003	BUS	MERCEDEZ	1000000	BG3456CC
M004	BUS	DYNA	800000	BG8443DD
M005	TRUCK	HYUN ZX	1500000	BG4638EE
M006	TRUCK	DYNA X1	1500000	BG8473FF

Ini cara untuk membuat table diatas nama sewamobil;

- Create table sewamobil

```
MariaDB [praktikum5]> create table sewamobil
-> (kode char (15) primary key,
-> jenis varchar (20) not null,
-> merk varchar (20) not null,
-> tarif varchar (25) not null,
-> nopol varchar (10) not null);
Query OK, 0 rows affected (0.03 sec)
```

- Desc sewamobil;

```
MariaDB [praktikum5]> desc sewamobil;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| kode  | char(15) | NO   | PRI | NULL    |       |
| jenis | varchar(20) | NO   |     | NULL    |       |
| merk  | varchar(20) | NO   |     | NULL    |       |
| tarif | varchar(25) | NO   |     | NULL    |       |
| nopol | varchar(10) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+
5 rows in set (0.14 sec)
```

- Insert into sewamobil
- Values

Lalu input data sesuai berikut

```
MariaDB [praktikum5]> insert into sewamobil
-> values
-> ('M001','SEDAN','BMW E5','500000','BG1234AA'),
-> ('M002','SEDAN','HONDA CRV','350000','BG2345BB'),
-> ('M003','BUS','MERCEDEZ','1000000','BG3456CC'),
-> ('M004','BUS','DYNA','800000','BG8443DD'),
-> ('M005','TRUCK','HYUN ZX','1500000','BG4638EE'),
-> ('M006','TRUCK','DYNA X1','1500000','BG8473FF');
Query OK, 6 rows affected (0.13 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

- Select\*from sewamobil;

```
MariaDB [praktikum5]> select*from sewamobil;
+-----+-----+-----+-----+-----+
| kode | jenis | merk  | tarif | nopol |
+-----+-----+-----+-----+-----+
| M001 | SEDAN | BMW E5 | 500000 | BG1234AA |
| M002 | SEDAN | HONDA CRV | 350000 | BG2345BB |
| M003 | BUS   | MERCEDEZ | 1000000 | BG3456CC |
| M004 | BUS   | DYNA   | 800000 | BG8443DD |
| M005 | TRUCK | HYUN ZX | 1500000 | BG4638EE |
| M006 | TRUCK | DYNA X1 | 1500000 | BG8473FF |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

## 2. buatlah table sebagai berikut

kode	nana	kontak	alamat	kota	kodepos	telpen
P001	PT FOX RIVER	HENDRA	JL. JEND. SUDIRMAN 657	BENGKULU	30245	1234567
P002	CV FOXCON	IWAN	JL. WAHID HASYIM 743	JAKARTA	73429	234567
P003	PT FARMACON	YANI	JL. AHMAD DAHLAN 45	LAMPUNG	28349	3334445

Cara untuk membuat table diatas nama sewamobil01;

- Create table sewamobil01

```
MariaDB [praktikum5]> create table sewamobil01
-> (kode char(10) primary key,
-> nama varchar(20) not null,
-> kontak varchar(20) not null,
-> alamat varchar(30) not null,
-> kota varchar(10) not null,
-> kodepos varchar(8) not null,
-> telepon varchar(12) not null);
Query OK, 0 rows affected (0.38 sec)
```

- Desc sewamobil01;

```
MariaDB [praktikum5]> desc sewamobil01;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode  | char(10)      | NO   | PRI | NULL    |       |
| nama  | varchar(20)   | NO   |     | NULL    |       |
| kontak| varchar(20)   | NO   |     | NULL    |       |
| alamat| varchar(30)   | NO   |     | NULL    |       |
| kota  | varchar(10)   | NO   |     | NULL    |       |
| kodepos| varchar(8)    | NO   |     | NULL    |       |
| telepon| varchar(12)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.08 sec)
```

- Insert into sewamobil01
- Values

Lalu input data sebagai berikut

```
MariaDB [praktikum5]> insert into sewamobil01
-> values
-> ('P001','PT FOX RIVER','HENDRA','JL. JEND SUDIRMAN 657','BENGKULU','30245','012345678'),
-> ('P002','CV FOXCON','IWAN','JL. WAHID HASIM 743','JAKARTA','73429','0123456789'),
-> ('P003','PT FARMACON','YANI','JL. AHMAD DAHLAN 45','LAMPUNG','28349','012345678910');
Query OK, 3 rows affected (0.08 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

- Select\*from sewamobil01;

```
MariaDB [praktikum5]> select*from sewamobil01;
+-----+-----+-----+-----+-----+-----+
| kode | nama      | kontak | alamat          | kota    | kodepos | telepon |
+-----+-----+-----+-----+-----+-----+
| P001 | PT FOX RIVER | HENDRA | JL. JEND SUDIRMAN 657 | BENGKULU | 30245 | 012345678 |
| P002 | CV FOXCON   | IWAN   | JL. WAHID HASIM 743 | JAKARTA | 73429 | 0123456789 |
| P003 | PT FARMACON | YANI   | JL. AHMAD DAHLAN 45 | LAMPUNG | 28349 | 012345678910 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

### 3. buat table sebagai berikut

nama	kota	nofaktursewa	tglsewa	kodemobil	lamasewa	uangmuka
PT FOX RIVER	BENGKULU	F001	2008-12-01	M001	2	200000
PT FOX RIVER	BENGKULU	F001	2008-12-01	M003	2	200000
CU FOXCON	JAKARTA	F002	2008-12-02	M002	1	100000
PT FARMACOM	LAMPUNG	NULL	NULL	NULL	NULL	NULL

Cara untuk membuat table di atas nama sewamobil02;

- Create table sewamobil02

```
MariaDB [praktikum5]> create table sewamobil02
-> (nofaktursewa char(15) not null,
-> kodepelanggan varchar(20) not null,
-> tglsewa varchar(20) not null,
-> kodemobil varchar(20) not null,
-> lamasewa varchar(25) not null,
-> uangmuka varchar(25) not null);
Query OK, 0 rows affected (0.40 sec)
```

- Desc sewamobil02;

```
MariaDB [praktikum5]> desc sewamobil02;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nofaktursewa | char(15) | NO | | NULL | |
| kodepelanggan | varchar(20) | NO | | NULL | |
| tglsewa | varchar(20) | NO | | NULL | |
| kodemobil | varchar(20) | NO | | NULL | |
| lamasewa | varchar(25) | NO | | NULL | |
| uangmuka | varchar(25) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.05 sec)
```

- Insert into sewamobil02
- Values

Lalu input data sebagai berikut

```
MariaDB [praktikum5]> insert into sewamobil02
-> values
-> ('F001','P001','2008-12-01','M001','2','200000'),
-> ('F001','P001','2008-12-01','M003','2','200000'),
-> ('F002','P002','2008-12-02','M002','1','100000');
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

- Select\*from sewamobil02;

```
MariaDB [praktikum5]> select*from sewamobil02;
+-----+-----+-----+-----+-----+-----+
| nofaktursewa | kodepelanggan | tglsewa | kodemobil | lamasewa | uangmuka |
+-----+-----+-----+-----+-----+-----+
| F001 | P001 | 2008-12-01 | M001 | 2 | 200000 |
| F001 | P001 | 2008-12-01 | M003 | 2 | 200000 |
| F002 | P002 | 2008-12-02 | M002 | 1 | 100000 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Buat query untuk menampilkan data seperti berikut:

1

kode	jenis	merk	nofaktursewa	tglsewa	lamasewa
M001	SEDAN	BMW E5	F001	2008-12-01	2
M002	SEDAN	HONDA CRV	F002	2008-12-02	1
M003	BUS	MERCEDEZ	F001	2008-12-01	2
M004	BUS	DYNA	NULL	NULL	NULL
M005	TRUCK	HYNO ZX	NULL	NULL	NULL
M006	TRUCK	DYNA X1	NULL	NULL	NULL

Select sewamobil.kode, sewamobil.jenis, sewamobil.merk, sewamobil02.nofaktursewa, sewamobil02.tglsewa, sewamobil02.lamasewa

- From sewamobil
- Left join sewamobil02
- On sewamobil.kode=sewamobil02.kodemobil
- Order by kode;

```
MariaDB [praktikum5]> select sewamobil.kode, sewamobil.jenis, sewamobil.merk, sewamobil02.nofaktursewa, sewamobil02.tglsewa, sewamobil02.lamasewa
-> from sewamobil
-> left join sewamobil02
-> on sewamobil.kode=sewamobil02.kodemobil
-> order by kode;
```

Maka setelah di enter akan tabel muncul seperti ini

kode	jenis	merk	nofaktursewa	tglsewa	lamasewa
M001	SEDAN	BMW E5	F001	2008-12-01	2
M002	SEDAN	HONDA CRV	F002	2008-12-02	1
M003	BUS	MERCEDEZ	F001	2008-12-01	2
M004	BUS	DYNA	NULL	NULL	NULL
M005	TRUCK	HYNO ZX	NULL	NULL	NULL
M006	TRUCK	DYNA X1	NULL	NULL	NULL

6 rows in set (0.02 sec)

2

nofaktursewa	nama	tglsewa	jenis	merk	lamasewa	uangmuka
F001	PT FOX RIVER	2008-12-01	SEDAN	BMW E5	2	200000
F001	PT FOX RIVER	2008-12-01	BUS	MERCEDEZ	2	200000
F002	CV FOXCON	2008-12-02	SEDAN	HONDA CRV	1	100000

Select sewamobil02.nofaktursewa, sewamobil01.nama, sewamobil02.tglsewa, sewamobil.jenis, sewamobil.merk, sewamobil02.lamasewa, sewamobil02.uangmuka

- From sewamobil
- Inner join sewamobil02 on sewamobil.kode=sewamobil02.kodemobil
- Inner join sewamobil01 on sewamobil02.kodepelanggan=sewamobil01.kode;

```
MariaDB [praktikum5]> select sewamobil02.nofaktursewa, sewamobil01.nama, sewamobil02.tglsewa, sewamobil.jenis, sewamobil.merk, sewamobil02.lamasewa, sewamobil02.uangmuka
-> from sewamobil
-> inner join sewamobil02 on sewamobil.kode=sewamobil02.kodemobil
-> inner join sewamobil01 on sewamobil02.kodepelanggan=sewamobil01.kode;
```

Maka setelah di enter akan muncul tabel seperti ini

nofaktursewa	nama	tglsewa	jenis	merk	lamasewa	uangmuka
F001	PT FOX RIVER	2008-12-01	SEDAN	BMW E5	2	200000
F001	PT FOX RIVER	2008-12-01	BUS	MERCEDEZ	2	200000
F002	CV FOXCON	2008-12-02	SEDAN	HONDA CRV	1	100000

3 rows in set (0.00 sec)

3

nama	kota	nofaktursewa	tglsewa	kodemobil	lamasewa	uangmuka
PT FOX RIVER	BENGKULU	F001	2008-12-01	M001	2	200000
PT FOX RIVER	BENGKULU	F001	2008-12-01	M003	2	200000
CU FOXCON	JAKARTA	F002	2008-12-02	M002	1	100000
PT FARMACOM	LAMPUNG	NULL	NULL	NULL	NULL	NULL

```
Select    sewamobil01.nama,      sewamobil01.kota,      sewamobil02.nofaktursewa,
sewamobil02,    tglsewa,      sewamobil02.kodemobil,      sewamobil02.lamasewa,
sewamobil02.uangmuka
```

- From sewamobil01
- Left join sewamobil02
- On sewamobil01.kode=sewamobil02.kodepelanggan;

```
MarioDB [praktikum5]> select sewamobil01.nama, sewamobil01.kota, sewamobil02.nofaktursewa, sewamobil02.tglsewa, sewamobil02.kodemobil, sewamobil02.lamasewa, sewamobil02.kodepelanggan;  
-> from sewamobil01  
-> left join sewamobil02  
-> on sewamobil01.kode=sewamobil02.kodepelanggan;
```

**Maka setelah di enter akan muncul tabel seperti ini**

nama	kota	nofaktursewa	tglsewa	kodemobil	lamasewa	uangmuka
PT FOX RIVER	BENGKULU	F001	2008-12-01	M001	2	200000
PT FOX RIVER	BENGKULU	F001	2008-12-01	M003	2	200000
CV FOXCON	JAKARTA	F002	2008-12-02	M002	1	100000
PT FARMACON	LAMPUNG	NULL	NULL	NULL	NULL	NULL

4 rows in set (0.00 sec)