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Latihan



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	BG443DD
M005	TRUCK	HYUNDAI ZX	1500000	BG4638EE
M006	TRUCK	DYNA X1	1500000	BG8473FF

kode	nama	kontak	alamat	kota	kodepos	telpon
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 PHARMACOM	YANI	JL. AHMAD DAHLAN 45	LAMPUNG	28349	3334445

nofaktursewa	kodepelanggan	tglsewa	kodenobil	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

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 FOXCOM	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 FOXCOM	JAKARTA	F002	2008-12-02	M002	1	100000
PT PARMACOM	LAMPUNG	NULL	NULL	NULL	NULL	NULL

- Buat Script SQL JOIN Table berdasarkan skema data diatas.
- Buat laporan praktikum yang berisi, langkah-langkah praktikum yang sudah dilakukan dalam bentuk dokumen.
- Unggah hasilnya di group Edmodo.

Jawaban

Langkah-langkah :

1. Buat database baru dengan nama **sewa_mobil**.
2. Kemudian buat ketiga table, yaitu mobil, sewa, dan pelanggan. Dan isi datanya. Caranya seperti yang pernah di bahas sebelumnya.
 - Tabel **mobil**

```
MariaDB [sewa_mobil]> desc mobil;
+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| kode  | varchar(4)    | YES  |     | NULL    |       |
| jenis | varchar(10)   | YES  |     | NULL    |       |
| merk  | varchar(10)   | YES  |     | NULL    |       |
| tarif | int(10)       | YES  |     | NULL    |       |
| nopol | varchar(8)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
5 rows in set (0.03 sec)
```

```
MariaDB [sewa_mobil]> select * from mobil;
+-----+-----+-----+-----+-----+
| 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 | HYNO ZX | 1500000 | BG4638EE |
| M006 | TRUCK | DYNA X1 | 1500000 | BG8473FF |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

- Tabel sewa

```
MariaDB [sewa_mobil]> desc sewa;
```

Field	Type	Null	Key	Default	Extra
no_faktur_sewa	varchar(4)	YES		NULL	
kode_pelanggan	varchar(4)	YES		NULL	
tgl_sewa	date	YES		NULL	
kode_mobil	varchar(4)	YES		NULL	
lama_sewa	int(2)	YES		NULL	
uang_muka	int(10)	YES		NULL	

6 rows in set (0.03 sec)

```
MariaDB [sewa_mobil]> select * from sewa;
```

no_faktur_sewa	kode_pelanggan	tgl_sewa	kode_mobil	lama_sewa	uang_muka
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)

- Tabel pelanggan

```
MariaDB [sewa_mobil]> desc pelanggan;
```

Field	Type	Null	Key	Default	Extra
kode	varchar(4)	YES		NULL	
nama	varchar(15)	YES		NULL	
kontak	varchar(10)	YES		NULL	
alamat	varchar(30)	YES		NULL	
kota	varchar(10)	YES		NULL	
kode_pos	varchar(5)	YES		NULL	
telpon	varchar(10)	YES		NULL	

7 rows in set (0.03 sec)

```
MariaDB [sewa_mobil]> select * from pelanggan;
```

kode	nama	kontak	alamat	kota	kode_pos	telpon
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 FARMACOM	YANI	JL. AHMAD DAHLAN 45	LAMPUNG	28349	3334445

3 rows in set (0.00 sec)

3. Membuat Query 1

```
select kode, jenis, merk, no_faktur_sewa, tgl_sewa, lama_sewa from mobil
left join sewa on mobil.kode = sewa.kode_mobil;
```

```
MariaDB [sewa_mobil]> select kode, jenis, merk, no_faktur_sewa, tgl_sewa, lama_sewa
-> from mobil
-> left join sewa on mobil.kode = sewa.kode_mobil;
```

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

6 rows in set (0.00 sec)

4. Membuat Query 2

```
select no_faktur_sewa, nama, tgl_sewa, jenis, merk, lama_sewa, uang_muka from sewa
inner join pelanggan on sewa.kode_pelanggan = pelanggan.kode
inner join mobil on sewa.kode_mobil = mobil.kode;
```

```

MariaDB [sewa_mobil]> select no_faktur_sewa, nama, tgl_sewa, jenis, merk, lama_sewa, uang_muka
-> from sewa
-> inner join pelanggan on sewa.kode_pelanggan = pelanggan.kode
-> inner join mobil on sewa.kode_mobil = mobil.kode;
+-----+-----+-----+-----+-----+-----+-----+
| no_faktur_sewa | nama          | tgl_sewa | jenis | merk      | lama_sewa | uang_muka |
+-----+-----+-----+-----+-----+-----+-----+
| F001           | PT FOX RIVER | 2008-12-01 | SEDAN | BMW E5    | 2         | 200000    |
| F002           | CV FOXCON    | 2008-12-02 | SEDAN | HONDA CRV | 1         | 100000    |
| F001           | PT FOX RIVER | 2008-12-01 | BUS   | MERCEDEZ  | 2         | 200000    |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

5. Membuat Query 3

**select nama, kota, no_faktur_sewa, tgl_sewa, kode_mobil, lama_sewa, uang_muka from
pelanggan**

left join sewa on pelanggan.kode = sewa.kode_pelanggan;

```

MariaDB [sewa_mobil]> select nama, kota, no_faktur_sewa, tgl_sewa, kode_mobil, lama_sewa, uang_muka
-> from pelanggan
-> left join sewa on pelanggan.kode = sewa.kode_pelanggan;
+-----+-----+-----+-----+-----+-----+-----+
| nama          | kota          | no_faktur_sewa | tgl_sewa | kode_mobil | lama_sewa | uang_muka |
+-----+-----+-----+-----+-----+-----+-----+
| 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 FARMACOM  | LAMPUNG      | NULL           | NULL      | NULL       | NULL      | NULL      |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

MariaDB [sewa_mobil]>

```