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Kelas   : TI.17.D2

Buat query untuk menampikan 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

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

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
CV FOXCON	JAKARTA	F002	2008-12-02	M002	1	100000
PT FARMACOM	LAMPUNG	NULL	NULL	NULL	NULL	NULL

Kodemobil	Jenis	Merk	Tarif	Nopol
M001	Sedan	BMW E5	500.000	BG1234AA
M002	Sedan	HONDA CRV	350.000	BG2345BB
M003	Bus	MERCEDEZ	1.000.000	BG3456CC
M004	Bus	DYNA	800.000	BG8443DD
M005	Truck	HYNO ZX	1.500.000	BG4638EE
M006	truck	DYNA X1	1.500.000	BG8473FF

1. Buat database dengan nama sewa mobil
   Create database sewamobil;
   Use sewasewamobil;
2. Buat tabel mobil
   Create table mobil(kodemobil varcahar(10), jenis varchar(20), merk varchar(20), tarif varchar(10), nopol varchar(20));
   Desc mobil;

3. Input data

Insert into mobil

(kodemobil, jenis, merk, tarif, nopol)

Values

("M001","SEDAN","BMW E5","500000","BG1234AA"),

("M002","SEDAN","HONDA CRV","350000","B2345BB"),

("M003","BUS","MERCEDEZ","1000000","BG3456CC"),

("M004","BUS","DYNA","800000","BG8443DD"),

("M005","TRUCK","HYNO ZX","1500000","BG4638EE"),

("M006","TRUCK","DYNA X1","150000","BG8473FF");

4. Buat tabel pelanggan

Kodepelanggan	Nama	Kontak	Alamat	Kota	Kodepos	Telepon
P001	PT FOX RIVER	HENDRA	JL. JEND. SUDIRMAN 657	BENGKULU	30245	1234567
P002	CV FAXCON	IWAN	JL. WAHID HASYIM 743	JAKARTA	73429	234567
P003	PT FARMACON	YANI	JL. AHMAD DAHLAN 45	LAMPUNG	28349	3334445

Create table pelaggan(kodepelanggan varchar(10), nama varchar(20), kontak varchar(20), alamat varchar(30), kota varchar(20), kodepos varchar(10), telepon varchar(20);

```
MariaDB [sewamobil]> create table pelanggan(kodepelanggan varchar(10), nama varchar(20), kontak varchar(20), alamat
varchar(30), kota varchar(20), kodepos varchar(10), telepon varchar(20));
Query OK, 0 rows affected (0.38 sec)

MariaDB [sewamobil]> desc pelanggan;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| kodepelanggan | varchar(10) | YES  |     | NULL    |       |
| nama          | varchar(20) | YES  |     | NULL    |       |
| kontak        | varchar(20) | YES  |     | NULL    |       |
| alamat        | varchar(30) | YES  |     | NULL    |       |
| kota          | varchar(20) | YES  |     | NULL    |       |
| kodepos       | varchar(10) | YES  |     | NULL    |       |
| telepon       | varchar(20) | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
7 rows in set (0.08 sec)
```

5. Insert data

Insert into pelanggan

(kodepelanggan, nama, kontak, alamat, kota, kodepos, telepon)

Values

("P001","PT FOX RIVER","HENDRA","JL. JEND. SUDIRMAN 657","BENGKULU","30245","1234567"),

("P002","CV FAXCON","IWAN","JL.WAHID HASYIM 743","JAKARTA","73429","234567"),

("P003","PT FARMACON","YANI","JL. AHMAD DAHLAN 45","LAMPUNG","28349","3334445");

```
Administrator: Command Prompt - mysql -u root                                      —    □    ×
+---------------+-------------+------+-----+---------+-------+
7 rows in set (0.08 sec)

MariaDB [sewamobil]> insert into pelanggan
    -> (kodepelanggan, nama, kontak, alamat, kota, kodepos, telepon)
    -> values
    -> ("P001","PT FOX RIVER","HENDRA","JL. JEND. SUDIRMAN 657","BENGKULU","30245","1234567"),
    -> ("P002","CV FAXCON","IWAN","JL. WAHID HASYIM 743","JAKARTA","73429","234567"),
    -> ("P003","PT FARMACON","YANI","JL. AHMAD DAHLAN 45","LAMPUNG","28349","3334445");
Query OK, 3 rows affected (0.10 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [sewamobil]> select * from pelanggan;
+---------------+--------------+--------+------------------------+----------+---------+---------+
| kodepelanggan | nama         | kontak | alamat                 | kota     | kodepos | telepon |
+---------------+--------------+--------+------------------------+----------+---------+---------+
| P001          | PT FOX RIVER | HENDRA | JL. JEND. SUDIRMAN 657 | BENGKULU | 30245   | 1234567 |
| P002          | CV FAXCON    | IWAN   | JL. WAHID HASYIM 743   | JAKARTA  | 73429   | 234567  |
| P003          | PT FARMACON  | YANI   | JL. AHMAD DAHLAN 45    | LAMPUNG  | 28349   | 3334445 |
+---------------+--------------+--------+------------------------+----------+---------+---------+
3 rows in set (0.00 sec)
```

6. Buat tabel sewa

Nofaktursewa	Kode pelanggan	Tglsewa	Kodemobil	Lamasewa	Uangmuka
F001	P001	2008-12-01	M001	2	200.000
F002	P001	2008-12-01	M003	2	200.000
F003	P002	2008-12-02	M002	1	100.000

Create table sewa(nofaktursewa varchar(10), kodepelanggan varchar(10), tglsewa date, kodemobil varchar(10), lamasewa varchar(5), uangmuka varchar(10));

```
MariaDB [sewamobil]> create table sewa(nofakturswea varchar(10), kodepelanggan varchar(10), tglsewa date, kodemobil
 varchar(10), lamasewa varchar(5), uangmuka varchar(10));
Query OK, 0 rows affected (0.35 sec)

MariaDB [sewamobil]> desc sewa;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| nofakturswea | varchar(10) | YES  |     | NULL    |       |
| kodepelanggan| varchar(10) | YES  |     | NULL    |       |
| tglsewa      | date        | YES  |     | NULL    |       |
| kodemobil    | varchar(10) | YES  |     | NULL    |       |
| lamasewa     | varchar(5)  | YES  |     | NULL    |       |
| uangmuka     | varchar(10) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
6 rows in set (0.06 sec)
```

7. Input data

Insert into sewa

(nofakturswea, kodepelanggan, tglsewa, kodemobil, lamasewa, uangmuka)

Values

("F001","P001","2008-12-01","M001","2","200000"),

("F002","P001","2008-12-01","M003","2","200000"),

("F003","P002","2008-12-02","M002","1","100000");

```
Administrator: Command Prompt - mysql  -u root                                                    —    □    ×
| uangmuka        | varchar(10) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
6 rows in set (0.06 sec)

MariaDB [sewamobil]> insert into sewa
    -> (nofakturswea, kodepelanggan, tglsewa, kodemobil, lamasewa, uangmuka)
    -> values
    -> ("F001","P001","2008-12-01","M001","2","200000"),
    -> ("F002","P001","2008-12-01","M003","2","200000"),
    -> ("F003","P002","2008-12=02","M002","1","100000");
Query OK, 3 rows affected (0.09 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [sewamobil]> select * from sewa;
+--------------+---------------+------------+-----------+----------+----------+
| nofakturswea | kodepelanggan | tglsewa    | kodemobil | lamasewa | uangmuka |
+--------------+---------------+------------+-----------+----------+----------+
| F001         | P001          | 2008-12-01 | M001      | 2        | 200000   |
| F002         | P001          | 2008-12-01 | M003      | 2        | 200000   |
| F003         | P002          | 2008-12-02 | M002      | 1        | 100000   |
+--------------+---------------+------------+-----------+----------+----------+
3 rows in set (0.00 sec)

MariaDB [sewamobil]>
```

8. JOIN
   a. Select mobil.kodemobil, jenis, merk, sewa.nofakturswea, tglsewa,lamasewa

      From sewa

      Right join mobil

      On sewa.kodemobil=mobil.kodemobil

      Order by mobil.kodemobil;

```
MariaDB [sewamobil]> select mobil.kodemobil, jenis, merk, sewa.nofakturswea, tglsewa, lamasewa
    -> from sewa
    -> right join mobil
    -> on sewa.kodemobil=mobil.kodemobil
    -> order by mobil.kodemobil;
+-----------+-------+-----------+--------------+------------+----------+
| kodemobil | jenis | merk      | nofakturswea | tglsewa    | lamasewa |
+-----------+-------+-----------+--------------+------------+----------+
| M001      | SEDAN | BMW E5    | F001         | 2008-12-01 | 2        |
| M002      | SEDAN | HONDA CRV | F003         | 2008-12-02 | 1        |
| M003      | BUS   | MERCEDEZ  | F002         | 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)
```

   b. Select sewa.nofakturswea, pelanggan.nama, sewa.tglsewa, mobil.jenis, merk,

      sewa.lamasewa, uangmuka

      From mobil

Inner join(sewa inner join pelanggan on sewa.kodepelanggan=pelanggan.kodepelanggan)

On mobil.kodemobil=sewa.kodemobil

Order by sewa.nofakturssewa;

```
MariaDB [sewamobil]> select sewa.nofaktursewa, pelanggan.nama, sewa.tglsewa, mobil.jenis, merk, sewa.lamasewa, uang
muka
    -> from mobil
    -> inner join(sewa inner join pelanggan on sewa.kodepelanggan=pelanggan.kodepelanggan)
    -> on mobil.kodemobil=sewa.kodemobil
    -> order by sewa.nofaktursewa;
+-------------+--------------+------------+-------+-----------+----------+----------+
| nofaktursewa | nama        | tglsewa    | jenis | merk      | lamasewa | uangmuka |
+-------------+--------------+------------+-------+-----------+----------+----------+
| F001        | PT FOX RIVER | 2008-12-01 | SEDAN | BMW E5    | 2        | 200000   |
| F002        | PT FOX RIVER | 2008-12-01 | BUS   | MERCEDEZ  | 2        | 200000   |
| F003        | CV FAXCON    | 2008-12-02 | SEDAN | HONDA CRV | 1        | 100000   |
+-------------+--------------+------------+-------+-----------+----------+----------+
3 rows in set (0.07 sec)
```

c. Select pelanggan.nama, kota, sewa.nofaktursewa, tglsewa, kodemobil, lamasewa, uangmuka

From pelanggan

Left join sewa

On pelanggan.kodepelangan=sewa.kodepelanggan

Order by pelanggan.kodepelanggan;

```
MariaDB [sewamobil]> select pelanggan.nama, kota, sewa.nofaktursewa, tglsewa, kodemobil, lamasewa, uangmuka
    -> from pelanggan
    -> left join sewa
    -> on pelanggan.kodepelanggan=sewa.kodepelanggan
    -> order by pelanggan.kodepelanggan;
+--------------+----------+--------------+------------+-----------+----------+----------+
| nama         | kota     | nofaktursewa | tglsewa    | kodemobil | lamasewa | uangmuka |
+--------------+----------+--------------+------------+-----------+----------+----------+
| PT FOX RIVER | BENGKULU | F002         | 2008-12-01 | M003      | 2        | 200000   |
| PT FOX RIVER | BENGKULU | F001         | 2008-12-01 | M001      | 2        | 200000   |
| CV FAXCON    | JAKARTA  | F003         | 2008-12-02 | M002      | 1        | 100000   |
| PT FARMACON  | LAMPUNG  | NULL         | NULL       | NULL      | NULL     | NULL     |
+--------------+----------+--------------+------------+-----------+----------+----------+
4 rows in set (0.00 sec)

MariaDB [sewamobil]> _
```