

Teknologi Basis Data

Praktikum MySQL Pada CMD

Dibuat Untuk Memenuhi Salah Satu Tugas Mata Kuliah Basis Data



Disusun Oleh :

Suryamin – 311710539

Kelas – TI17D2

Program Studi Teknik Informatika

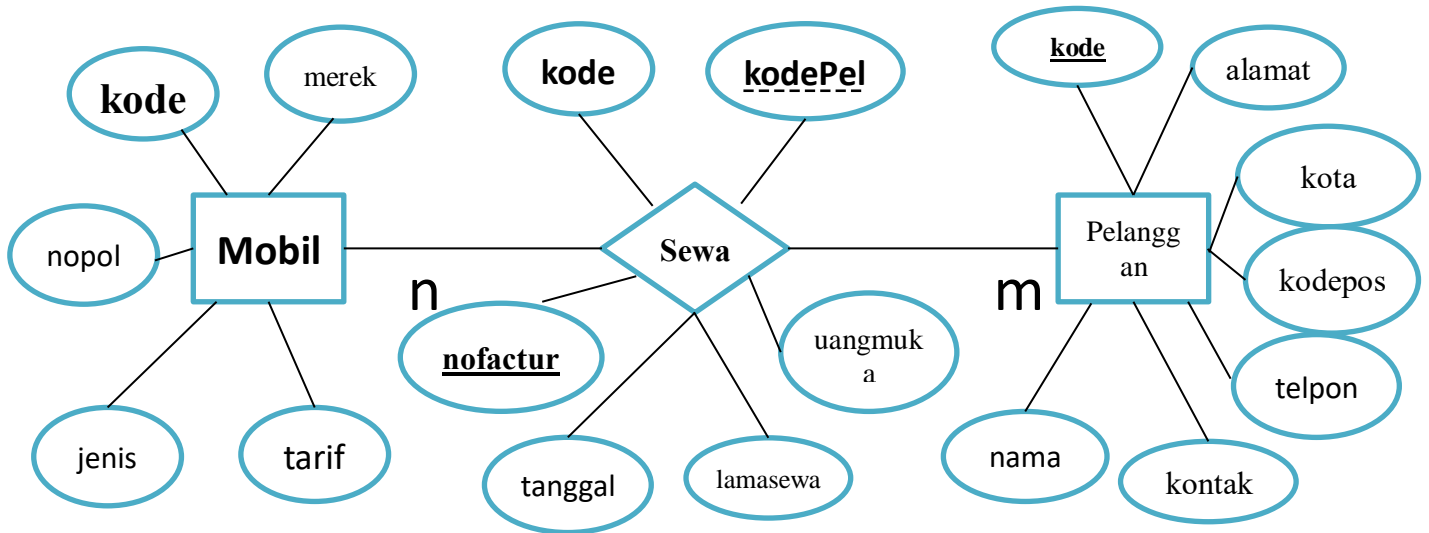
Sekolah Tinggi Teknik

Pelita Bangsa

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## Tugas Praktikum 5

### Latihan



1. Sesudah masuk database buatlah table baru dengan nama sewamobil dengan perintah seperti gambar dibawah ini :

```
Command Prompt - mysql -u root
MariaDB [(none)]> create database latihan5;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> use latihan5;
Database changed
MariaDB [latihan5]> create table sewamobil
-> (kode char(5) primary key,
-> jenis varchar(15) not null,
-> merk varchar(15) not null,
-> tarif varchar(10) not null,
-> nopol varchar(10) not null);
Query OK, 0 rows affected (0.26 sec)

MariaDB [latihan5]> desc sewamobil;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode  | char(5)       | NO   | PRI | NULL    |       |
| jenis | varchar(15)   | NO   |     | NULL    |       |
| merk  | varchar(15)   | NO   |     | NULL    |       |
| tarif | varchar(10)   | NO   |     | NULL    |       |
| nopol | varchar(10)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)
```

Masukan semua data dengan perintah :

Command Prompt - mysql -u root

```
MariaDB [latihan5]> insert into sewamobil values
-> ('M001','SEDAN','BMW ES','500000','BG 1234AA'),
-> ('M002','SEDAN','HONDA CRV','350000','BG 2345 BB'),
-> ('M003','BUS','MERCEDEZ','1000000','BG 3456 CC'),
-> ('M004','BUS','DYNA','800000','BG 8443 DD'),
-> ('M005','TRUCK','HYNO','15000000','BG 4638 EE'),
-> ('M006','TRUCK','DYNA X1','15000000','BG 8473 FF');
```

Query OK, 6 rows affected (0.08 sec)

Records: 6 Duplicates: 0 Warnings: 0

```
MariaDB [latihan5]> SELECT *FROM SEWAMOBIL;
```

kode	jenis	merk	tarif	nopol
M001	SEDAN	BMW ES	500000	BG 1234AA
M002	SEDAN	HONDA CRV	350000	BG 2345 BB
M003	BUS	MERCEDEZ	1000000	BG 3456 CC
M004	BUS	DYNA	800000	BG 8443 DD
M005	TRUCK	HYNO	15000000	BG 4638 EE
M006	TRUCK	DYNA X1	15000000	BG 8473 FF

6 rows in set (0.00 sec)

Buat table baru dan masukan data-datanya dengan perintah pada gambar dibawah ini :

Command Prompt - mysql -u root

```
MariaDB [latihan5]> create table sewamobil1
```

```
-> (kode char(6) primary key,
-> nama varchar(20) not null,
-> kotak varchar(20) not null,
-> alamat varchar (30) not null,
-> kota varchar(10) not null,
-> kodepos int(6) not null,
-> telpon varchar(15) not null);
```

Query OK, 0 rows affected (0.23 sec)

```
MariaDB [latihan5]> desc sewamobil1;
```

Field	Type	Null	Key	Default	Extra
kode	char(6)	NO	PRI	NULL	
nama	varchar(20)	NO		NULL	
kotak	varchar(20)	NO		NULL	
alamat	varchar(30)	NO		NULL	
kota	varchar(10)	NO		NULL	
kodepos	int(6)	NO		NULL	
telpon	varchar(15)	NO		NULL	

7 rows in set (0.02 sec)

kemudian lakukan pengecekan sesuai gambar di bawah :

```

C:\ Command Prompt - mysql -u root
MariaDB [latihan5]> insert into sewamobil1 values
-> ('P001','PT. FOX RIVER','HENDRA','JL. SUDIRMAN 657','BENGKULU','30245','012345678'),
-> ('P002','CV. FOXCON','IWAN','JL. WAHID HASYIM 743','JAKARTA','73429','0123456789'),
-> ('P003','PT. FARMACON','YANI','JL. AHMAD DAHLAN 45','LAMPUNG','28349','012345678910');
Query OK, 3 rows affected (0.09 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [latihan5]> SELECT * FROM
-> SEWAMOBIL1;
+-----+-----+-----+-----+-----+-----+-----+
| kode | nama          | kotak | alamat          | kota   | kodepos | telpon   |
+-----+-----+-----+-----+-----+-----+-----+
| P001 | PT. FOX RIVER | HENDRA | JL. SUDIRMAN 657 | BENGKULU | 30245 | 012345678 |
| P002 | CV. FOXCON    | IWAN   | JL. WAHID HASYIM 743 | JAKARTA | 73429 | 0123456789 |
| P003 | PT. FARMACON  | YANI   | JL. AHMAD DAHLAN 45 | LAMPUNG | 28349 | 012345678910 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

Selanjutnya buat table 3 dengan perintah pada gambar dibawah ini :

```

C:\ Command Prompt - mysql -u root
MariaDB [latihan5]> create table sewamobil2
-> (nofaktur char(15) not null,
-> kodepelanggan varchar(10) not null,
-> tanggalsewa date,
-> kodemobil varchar(10) not null,
-> lamasewa varchar(5) not null,
-> uangmuka varchar(15) not null);
Query OK, 0 rows affected (0.27 sec)

MariaDB [latihan5]> desc sewamobil2;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nofaktur       | char(15)      | NO   |     | NULL    |       |
| kodepelanggan  | varchar(10)   | NO   |     | NULL    |       |
| tanggalsewa    | date          | YES  |     | NULL    |       |
| kodemobil      | varchar(10)   | NO   |     | NULL    |       |
| lamasewa       | varchar(5)    | NO   |     | NULL    |       |
| uangmuka       | varchar(15)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.02 sec)

```

Masukan data-atanya sesuai pada gambar dibawah ini :

```
Select Command Prompt - mysql -u root
MariaDB [latihan5]> insert into sewamobil2 values
-> ('F001','P001','20081201','M001','2','200000'),
-> ('F001','P001','20081201','M003','2','200000'),
-> ('F002','P002','20081202','M002','1','100000');
Query OK, 3 rows affected (0.08 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [latihan5]> SELECT *FROM SEWAMOBIL2;
+-----+-----+-----+-----+-----+-----+
| nofactur | kodepelanggan | tanggalsewa | 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)
```

Input query dengan perintah :

*Select sewamobil.kode, sewamobil.jenis, sewamobil.merk, sewamobil2.nofactur, sewamobil2.tanggalsewa, sewamobil2.lamasewa from sewamobil left join sewamobil2 on sewamobil.kode=sewamobil2.kodemobil order by kode;*

```
Command Prompt - mysql -u root
MariaDB [latihan5]> select sewamobil.kode, sewamobil.jenis, sewamobil.merk, sewamobil2.nofactur, sewamobil2.tanggalsewa, sewamobil2.lamasewa from sewamobil left join sewamobil2 on sewamobil.kode=sewamobil2.kodemobil order by kode;
+-----+-----+-----+-----+-----+-----+
| kode | jenis | merk   | nofactur | tanggalsewa | lamasewa |
+-----+-----+-----+-----+-----+-----+
| M001 | SEDAN | BMW ES | 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 | HYN0    | NULL     | NULL         | NULL      |
| M006 | TRUCK | DYNA X1 | NULL     | NULL         | NULL      |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

Input query dengan perintah :

*select sewamobil2.nofactur, sewamobil1.nama, sewamobil2.tanggalsewa, sewamobil.jenis, sewamobil.merk, sewamobil2.lamasewa, sewamobil2.uangmuka*

*-> from sewamobil*

*-> inner join sewamobil2 on sewamobil.kode=sewamobil2.kodemobil*

*-> inner join sewamobil1 on sewamobil2.kodepelanggan=sewamobil1.kode;*



```

Command Prompt - mysql -u root
MariaDB [latihan5]> select sewamobil2.nofaktur, sewamobil1.nama, sewamobil2.tanggalsewa, sewamobil.jenis, sewamobil.merk, sewamobil2.l
anamsewa, sewamobil2.uangmuka
    -> from sewamobil
    -> inner join sewamobil2 on sewamobil.kode=sewamobil2.kodemobil
    -> inner join sewamobil1 on sewamobil2.kodepelanggan=sewamobil1.kode;
+-----+-----+-----+-----+-----+-----+-----+
| nofaktur | nama          | tanggalsewa | jenis | merk   | lamasewa | uangmuka |
+-----+-----+-----+-----+-----+-----+-----+
| F001     | PT. FOX RIVER | 2008-12-01  | SEDAN | BMW ES | 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)

```

Input query dengan Perintah :

```

select sewamobil1.nama, sewamobil1.kota, sewamobil2.nofaktur,
sewamobil2.tanggalsewa, sewamobil2.kodemobil, sewamobil2.lamasewa,
sewamobil2.uangmuka

```

-> from sewamobil1

-> left join sewamobil2

-> on sewamobil1.kode=sewamobil2.kodepelanggan;

```

Command Prompt - mysql -u root
MariaDB [latihan5]> select sewamobil1.nama, sewamobil1.kota, sewamobil2.nofaktur, sewamobil2.tanggalsewa, sewamobil2.kodemobil, sewamo
bil2.lanasewa, sewamobil2.uangmuka
    -> from sewamobil1
    -> left join sewamobil2
    -> on sewamobil1.kode=sewamobil2.kodepelanggan;
+-----+-----+-----+-----+-----+-----+-----+
| nama          | kota          | nofaktur | tanggalsewa | 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    |
| 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)

```

Chenel Youtube : <https://youtu.be/ykGy7ZPRTI8>