TEKNOLOGI BASIS DATA

Praktikum MySQL pada CMD

Tugas Praktikum 5 Basis Data



Oleh:

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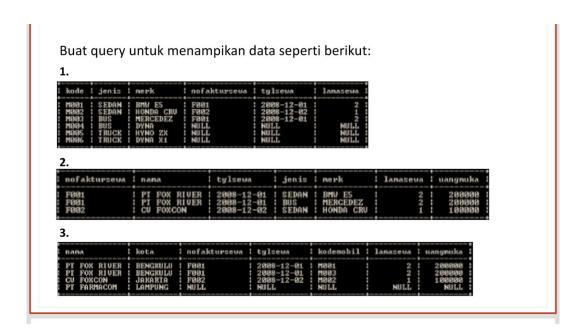
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TI.17.D2

Program Studi Teknik Informatika

Sekolah Tinggi Teknik Pelita Bangsa

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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	HENDRA	JL. JEND.	BENGKULU	30245	1234567
	RIVER		SUDIRMAN 657			
P002	CV FAXCON	IWAN	JL. WAHID	JAKARTA	73429	234567
			HASYIM 743			
P003	PT	YANI	JL. AHMAD	LAMPUNG	28349	3334445
	FARMACON		DAHLAN 45			

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

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");

6. Buat tabel sewa

Nofaktursewa	Kode	Tglsewa	Kodemobil	Lamasewa	Uangmuka
	pelanggan				
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));

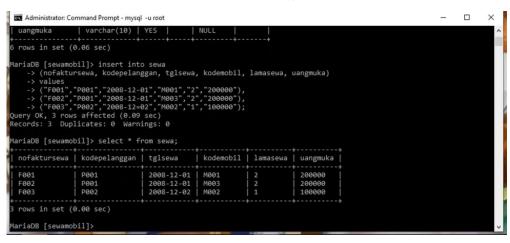
7. Input data

Insert into sewa

(nofaktursewa, 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");
```



8. JOIN

a. Select mobil.kodemobil, jenis, merk, sewa.nofaktursewa, tglsewa,lamasewa

From sewa

Right join mobil

On sewa.kodemobil=mobil.kodemobil

Order by mobil.kodemobil;

b. Select sewa.nofaktursewa, 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.nofaktursewa;

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]> _____
```