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Praktikum Sistem Basis Data

1) cd .../...

cd :xampp/mysql/bin

c:/xampp/mysql/bin > mysql -u root

mysql> create database zaka157;

2) mysql> [(Zaka157)] > create table buku (kd_buku varchar(5), judul varchar(40), jenis_buku varchar(10), pengarang varchar(40), jml_buku int);

mysql> [(Zaka)] > create table pinjam (kd_pinjam varchar(5), no_anggota varchar(5), kd_buku varchar(5), tgl_pinjam date, tgl_kembali date);

mysql> [(Zaka)] > create table anggota (no_anggota varchar(5), identitas varchar(5), nama_anggota varchar(30), alamat varchar(40));

mysql> [(Zaka157)] > insert into buku values ("BK001", "laskar pelangi", "Novel", "Andrea Hirata", 12),
-> ("BK002", "cantik itu luka", "Novel", "Eka Kurniawan", 6),
-> ("BK003", "rentan kisah", "Novel", "Gita Savitri Dewi", 8),
-> ("BK004", "Aku", "Sastra", "Juman Djaya", 18),
-> ("BK005", "kereta hider", "Sastra", "Arianthyarmad", 20),
-> ("BK006", "laluba", "Sastra", "Nukila Anas", 15),
-> ("BK007", "panggil aku Kartini saja", "Biografi", "Pranaditya Uranta Toer", 10),
-> ("BK008", "Choiril", "Biografi", "Hafan Aspa Hani", 20),
-> ("BK009", "Ensiklopedia Antarksa", "Ensiklopedia", "Janey Trefil", 12),
-> ("BK010", "Ensiklopedia Sains", "Ensiklopedia", "Rumaring Tyas", 6);

mysql> [(Zaka157)] > insert into pinjam values ("PJ001", "AG001", "BK001", "22-05-2017", "29-05-2017"),
-> ("PJ001", "AG004", "BK003", "22-05-2017", "29-05-2017"),
-> ("PJ002", "AG001", "BK004", "23-05-2017", "30-05-2017"),
-> ("PJ002", "AG001", "BK003", "23-05-2017", "30-05-2017"),
-> ("PJ003", "AG003", "BK001", "23-05-2017", "30-05-2017"),
-> ("PJ004", "AG002", "BK002", "24-05-2017", "01-06-2017"),
-> ("PJ004", "AG002", "BK010", "24-05-2017", "01-06-2017"),
-> ("PJ005", "AG005", "BK006", "24-05-2017", "01-06-2017");

mariaDB[(Zaka157)] > insert into anggota values ("A6001", "KTM", "Ibnu Saluddin", "Jl. Angeler 22, Jakarta"),
 -> ("A6002", "KTP", "Kirani Denora", "Jl. Melati 18, Depok"),
 -> ("A6003", "KTM", "Afifa Adena", "Jl. Gabus 23, Bogor"),
 -> ("A6004", "SIM", "Luqyana", "Jl. Cangkabung 17, Bogor"),
 -> ("A6005", "KTM", "Reno Athallah", "Jl. Rumbia 39, Bekasi");

3) mariaDB[(Zaka157)] > select judul from buku inner join pinjam on kd_buku = kd_buku where tgl_pinjam
 between '23-05-2017' and '24-05-2017';

4) mariaDB[(Zaka157)] > select nama_anggota, alamat from pinjam left join anggota on
 no_anggota = no_anggota where tgl_pinjam = '22-05-2017';

5) mariaDB[(Zaka157)] > select judul, jenis_buku from pinjam left join buku on kd_buku = kd_buku
 left join anggota on no_anggota = no_anggota where nama_anggota = 'Luqyana';

6) mariaDB[(Zaka157)] > select nama_anggota, judul, tgl_pinjam from pinjam left join buku on kd_buku = kd_buku
 left join anggota on no_anggota = no_anggota where alamat like '% Bogor %';

7) mariaDB[(Zaka157)] > select judul, kd_pinjam from pinjam left join buku on kd_buku = kd_buku
 left join anggota on no_anggota = no_anggota where nama_anggota like '% R %';

8) mariaDB[(Zaka157)] > select nama_anggota, jenis_buku, tgl_pinjam from pinjam left join buku on
 kd_buku = kd_buku left join anggota on no_anggota = no_anggota where (identitas = 'KTM' or
 identitas = 'KTP') AND tgl_pinjam between '23-05-2017' AND '24-05-2017';

9) mariaDB[(Zaka157)] > select nama_anggota, kode_pinjam, jml_pinjam from pinjam where
 jml_pinjam = 2;

10) mariaDB[(Zaka157)] > select anggota, buku inner join pinjam on kd_buku = kd_buku
 where tgl_kembali = '29-05-2017' AND '30-05-2017';