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KELAS : A

1. Tampilkan no\_rek, nama\_nasabah yang melakukan transaksi di atas

tanggal '1 Desember 2009' diurutkan berdasarkan id\_nasabah Nb:

masing2 id\_nasabah menampilkan satu transaksi, tidak boleh berulang.

( Kerjakan soal – soal menggunakan Using, On, Natural, Outer,

Inner, Distinct )

```
MariaDB [perbankan]> select distinct rekening.no_rekening, nasabah.nama_nasabah from transaksi left outer join nasabah on transaksi.id_nasabahfk=nasabah.id_nasabah natural join rekening left outer join nasabah_has_rekening using(no_rekeningfk) where tanggal>"2009-12-1" group by nasabah.id_nasabah order by nasabah.id_nasabah;
```

no_rekening	nama_nasabah
101	NULL
101	Sutopo
101	Maryati
101	Suparman
101	Kartika Padmasari
101	Budi Eko Prayoga
101	Canka Lokananta

7 rows in set (0.11 sec)

```
MariaDB [perbankan]> select distinct rekening.no_rekening, nasabah.nama_nasabah from transaksi inner join nasabah on transaksi.id_nasabahfk=nasabah.id_nasabah natural join rekening inner join nasabah_has_rekening using(no_rekeningfk) where tanggal>"2009-12-1" group by nasabah.id_nasabah order by nasabah.id_nasabah;
```

no_rekening	nama_nasabah
101	Sutopo
101	Maryati
101	Suparman
101	Kartika Padmasari
101	Budi Eko Prayoga
101	Canka Lokananta

6 rows in set (0.21 sec)

2. Tampilkan id\_nasabah, nama\_cabang, jumlah saldo (dalam sisa saldo)

dari masing2 id\_nasabah dikurangi 75.000 untuk pembayaran SPP

```
MariaDB [perbankan]> select distinct nasabah_has_rekening.id_nasabahfk, cabang_bank.nama_cabang, sum(rekening.saldo-75000) as 'sisa saldo' from nasabah_has_rekening join rekening on nasabah_has_rekening.no_rekeningfk=rekening.no_rekening join cabang_bank on rekening.kode_cabangfk=cabang_bank.kode_cabang group by id_nasabahfk having sum(rekening.saldo)>=0;
```

id_nasabahfk	nama_cabang	sisa saldo
2	Bank Rut Unit Surakarta	675000
3	Bank Rut Unit Surakarta	2925000
4	Bank Rut Unit Surakarta	1350000
5	Bank Rut Unit Surakarta	1200000
6	Bank Rut Unit Boyolali	-75000
7	Bank Rut Unit Boyolali	-75000
10	Bank Rut Unit Boyolali	4925000
11	Bank Rut Unit Palembang	-55000
12	Bank Rut Unit Lampung	225000
13	Bank Rut Unit Bandung	455000
14	Bank Rut Unit Giri	45000
15	Bank Rut Unit Cileduk	45000
16	Bank Rut Unit Wonogiri	-25000
17	Bank Rut Unit Tegal	127000
18	Bank Rut Unit Tegal	159500
19	Bank Rut Unit Jember	-30500
20	Bank Rut Unit Tegal	129700

17 rows in set (0.14 sec)

(Kerjakan soal – soal menggunakan Having, Group By, Distinct)

3. Buatlah user baru dengan No. NIM 3 digit belakang. Kemudian beri privilege pada user, agar dapat melakukan CRUD. Kemudian berikan masing – masing contoh CRUD, setelah berhasil memeberikan hak akses pada user.

(Creat, Read, Update, Delete masing – masing diberi contoh.).

```
MariaDB [mysql]> create user '009'@'localhost' identified by '009';
Query OK, 0 rows affected (0.25 sec)
```

```
MariaDB [mysql]> grant create on perbankan.aku to '009'@'localhost';
Query OK, 0 rows affected (0.06 sec)
```

```
MariaDB [mysql]> grant insert on perbankan.nasabah to '009'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [mysql]> grant select on perbankan.nasabah to '009'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [mysql]> grant create on perbankan.nasabah to '009'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [mysql]> grant update on perbankan.nasabah to '009'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [mysql]> grant delete on perbankan.nasabah to '009'@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

```
C:\xampp\mysql\bin>mysql -u 009 -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 57
Server version: 10.1.36-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
```

Melakukan operasi CRUD

```
MariaDB [perbankan]> select * from nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah
1	Sutopo	Jl.Jendral Sudirman 12
2	Maryati	Jl.MT.Haryono 31
3	Suparman	Jl.Hasanudin 81
4	Kartika Padmasari	Jl.Manggis 15
5	Budi Eko Prayoga	Jl.Kantil 30
6	Satria Eka Jaya	Slamet Riyadi 45
8	Sari Murti	Jl.Pangandaran 11
9	Canka Lokananta	Jl.Tidar 86
10	Budi Murtono	Jl.Merak 22
20	Dino	Lampung

```

10 rows in set (0.00 sec)

MariaDB [perbankan]> insert into nasabah values (70,"Dora","Jl. Explorer");
Query OK, 1 row affected (0.18 sec)

MariaDB [perbankan]> update nasabah set nama_nasabah='Gery' where id_nasabah=70;
Query OK, 1 row affected (0.16 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> delete from nasabah where id_nasabah=70;
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> create table aku (id integer, nama varchar(20));
Query OK, 0 rows affected (0.31 sec)
```

4. Mata kuliah A tidak memenuhi standar kebijakan prodi akan pengadaan/pengelenggaraan kelas karena <10 mahasiswa disebabkan kurang minatnya mahasiswa akan mata kuliah A. Sehingga mahasiswa yang mengambil mata kuliah A diharuskan revisi ke mata kuliah lain(atau yang sudah terselenggara).

(Gunakan Sub Query untuk mendapatkan data – data berikut

dari database data kuliah yang telah anda bangun pada Modul

4 dan Modul 5. )

```
MariaDB [perkuliahan]> update mahasiswa_has_matkul set kode_matkul=1 where kode_matkul = (select kode_matkul from matkul
where kode_matkul=2);
Query OK, 1 row affected (0.13 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perkuliahan]> select*from mahasiswa_has_matkul;
+-----+-----+
| id_mahasiswa | kode_matkul |
+-----+-----+
| 1 | 1 |
| 2 | 1 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
+-----+-----+
5 rows in set (0.00 sec)
```