

NAMA : NAURA FIKAMELYALLA

NIM : L200180207

KELAS : H

UAS

PRAKTIKUM BASISDATA

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)

Jawab:

```
MariaDB [perbankan]> select distinct nama_nasabah, no_rekeningFK from nasabah right outer join transaksi on nasabah.id_nasabah=transaksi.id_nasabahFK
-> where tanggal > "2009-12-1" order by id_nasabah;
+-----+-----+
| nama_nasabah | no_rekeningFK |
+-----+-----+
| Maryati      | 103           |
| Budi Eko Prayogo | 102           |
| Indri Hapsari | 109           |
| Canka Lokananta | 110           |
+-----+-----+
4 rows in set (0.673 sec)
```

2. Tampilkan id_nasabah, nama_cabang, jumlah saldo (dalam sisa saldo) dari masing2 id_nasabah dikurangi 75.000 untuk pembayaran SPP (Kerjakan soal – soal menggunakan Having, Group By, Distinct)

Jawab :

```
MariaDB [perbankan]> select distinct id_nasabah, nama_cabang, (rekening.saldo-75000) as 'jumlah saldo' from nasabah inner join cabang_bank inner join rekening
-> inner join transaksi on nasabah.id_nasabah = transaksi.id_nasabahFK and rekening.no_rekening = transaksi.no_rekeningFK and cabang_bank.kode_cabang =
-> rekening.kode_cabangFK group by no_rekening;
+-----+-----+-----+
| id_nasabah | nama_cabang | jumlah saldo |
+-----+-----+-----+
| 5          | Bank Rut Unit Surakarta | 275000       |
| 2          | Bank Rut Unit Surakarta | 625000       |
| 1          | Bank Rut Unit Magelang  | 825000       |
| 3          | Bank Rut Unit Magelang  | 1925000      |
| 3          | Bank Rut Unit Surakarta | 2925000      |
| 5          | Bank Rut Unit Surakarta | 925000       |
| 10         | Bank Rut Unit Boyolali   | 4925000      |
| 7          | Bank Rut Unit Boyolali   | -75000       |
| 9          | Bank Rut Unit Yogyakarta | 475000       |
+-----+-----+-----+
9 rows in set (1.062 sec)
```

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.).

Jawab :

Membuat user menggunakan NIM

```
MariaDB [mysql]> create user '207'@'localhost' identified by 'naurafika';
Query OK, 0 rows affected (0.106 sec)
```

```

MariaDB [mysql]> grant insert on perbankan.nasabah to '207'@'localhost';
Query OK, 0 rows affected (0.167 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.007 sec)

MariaDB [mysql]> grant select on perbankan.nasabah to '207'@'localhost';
Query OK, 0 rows affected (0.048 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.007 sec)

MariaDB [mysql]> grant update on perbankan.nasabah to '207'@'localhost';
Query OK, 0 rows affected (0.099 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.008 sec)

MariaDB [mysql]> grant delete on perbankan.nasabah to '207'@'localhost';
Query OK, 0 rows affected (0.138 sec)

MariaDB [mysql]> flush privileges;
Query OK, 0 rows affected (0.009 sec)

```

```

MariaDB [perbankan]> insert into nasabah values ('35', 'Nana', 'Jl. Nusa Indah 43');
Query OK, 1 row affected (1.460 sec)

```

```

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 Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtiono | Jl. Merak 22 |
| 31 | nana | kartasura |
| 35 | Nana | Jl. Nusa Indah 43 |
+-----+-----+-----+
12 rows in set (0.253 sec)

```

```

MariaDB [perbankan]> update nasabah set nama_nasabah = 'Haya' where alamat_nasabah = 'Jl. Nusa Indah 43';
Query OK, 1 row affected (0.342 sec)
Rows matched: 1 Changed: 1 Warnings: 0

```

```

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 Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtiono | Jl. Merak 22 |
| 31 | nana | kartasura |
| 35 | Haya | Jl. Nusa Indah 43 |
+-----+-----+-----+
12 rows in set (0.005 sec)

```

```

MariaDB [perbankan]> delete from nasabah where nama_nasabah = 'haya';
Query OK, 1 row affected (0.180 sec)

```

```

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 Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtiono | Jl. Merak 22 |
| 31 | nana | kartasura |
+-----+-----+-----+
11 rows in set (0.001 sec)

```

4. Mata kuliah A tidak memenuhi standar kebijakan prodi akan pengadaan/penglenggaraan 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).

Jawab:

```
MariaDB [hsd1] update mahasiswa_has_matkul set kode_matkulFK = 'TIF002' where kode_matkulFK = (select kode_matkul from matkul where kode_matkul = 'TIF001');
Query OK, 3 rows affected (0.133 sec)
Rows matched: 3  Changed: 3  Warnings: 0

MariaDB [hsd1] select * from mahasiswa_has_matkul;
+-----+-----+
| nimFK | kode_matkulFK |
+-----+-----+
| L200100021 | TIF000 |
| L200100022 | TIF002 |
| L200100033 | TIF002 |
| L200100173 | TIF006 |
| L200100187 | TIF003 |
| L200100190 | TIF004 |
| L200100191 | TIF006 |
| L200100193 | TIF006 |
| L200100194 | TIF007 |
| L200100196 | TIF002 |
| L200100199 | TIF006 |
| L200100210 | TIF004 |
| L200100211 | TIF006 |
| L200100215 | TIF000 |
+-----+-----+
14 rows in set (0.003 sec)
```