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Kelas : H

Praktikum Basis Data

1. Tampilkan no_rekening, nama_nasabah yang melakukan transaksi diatas tanggal '1 Desember 2009' diurutkan berdasarkan id_nasabah Nb : masing-masing id_nasabah menampilkan satu transaksi, tidak boleh berulang (Kerjakan Soal menggunakan Using, On, Natural, Order)

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> select distinct no_rekening, nama_nasabah from nasabah, rekening, transaksi where nasabah.id_nasabahFK=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and tanggal > '2009-12-1' group by id_nasabahFK order by id_nasabahFK;
```

no_rekening	nama_nasabah
104	Sutopo
100	Danang Ady Saputro Widodo
103	Aviza
105	Sekar
101	Ulin
102	Inung
109	Alfian
110	Amar
103	Maryati
108	Khumaila
106	Suparman
101	Kartika Padmasari
102	Budi Eko Prayogo
110	Canka Lokananta

14 rows in set (0.001 sec)

```
MariaDB [perbankan]>
```

2. Tampilkan id_nasabah, nama_cabang, jumlah saldo (dalam sisa saldo) dari masing-masing id_nasabah dikurangi 75000 untuk pembayaran SPP (kerjakan soal menggunakan having, group by, distinct)

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> select distinct id_nasabah, nama_cabang, saldo from nasabah, cabang_bank, rekening, nasabah_has_rekening where nasabah_has_rekening.id_nasabahFK=nasabah.id_nasabah and nasabah_has_rekening.no_rekeningFK=rekening.no_rekeningFK and cabang_bank.kode_cabang=rekening.kode_cabangFK and (select sum(saldo-75000) from rekening);
```

id_nasabah	nama_cabang	saldo
2	Bank Rut Unit Surakarta	750000
3	Bank Rut Unit Surakarta	3000000
4	Bank Rut Unit Surakarta	500000
4	Bank Rut Unit Surakarta	1000000
5	Bank Rut Unit Surakarta	350000
5	Bank Rut Unit Surakarta	1000000
6	Bank Rut Unit Boyolali	0
8	Bank Rut Unit Klaten	150000
8	Bank Rut Unit Klaten	300000
9	Bank Rut Unit Yogyakarta	550000
10	Bank Rut Unit Boyolali	5000000
10	Bank Rut Unit Yogyakarta	255000
11	Bank Rut Unit Grobogan	4000000
12	Bank Rut Unit Boyolali	0
14	Bank Rut Unit Surakarta	750000
15	Bank Rut Unit Boyolali	5000000
16	Bank Rut Unit Surakarta	350000
17	Bank Rut Unit Surakarta	1000000
18	Bank Rut Unit Surakarta	500000
20	Bank Rut Unit Surakarta	3000000

20 rows in set (0.004 sec)

```
MariaDB [perbankan]>
```

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 memberikan hak akses pada user. (Create, Read, Update, Delete masing-masing diberi contoh)

```
XAMPP for Windows - mysql -u l205
+-----+
20 rows in set (0.004 sec)

MariaDB [perbankan]> create user 'l205'@'localhost';
Query OK, 0 rows affected (0.045 sec)

MariaDB [perbankan]> grant all privileges on perbankan.nasabah to 'l205'@'localhost';
Query OK, 0 rows affected (0.107 sec)

MariaDB [perbankan]> flush privileges;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server versi
on for the right syntax to use near 'privileges' at line 1
MariaDB [perbankan]> flush privileges;
Query OK, 0 rows affected (0.001 sec)

MariaDB [perbankan]> exit
Bye

Danang Ady@LAPTOP-D494FB9C c:\xampp
# mysql -u l205
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 39
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| nasabah             |
+-----+
1 row in set (0.002 sec)

MariaDB [perbankan]>
```

```
XAMPP for Windows - mysql -u l205

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   |
| 8          | Sari Murti        | Jl.Pangandaran 11     |
| 9          | Canka Lokananta   | Jl.Tidar 86           |
| 10         | Budi Martono      | Jl.Merak 22           |
| 11         | Danang Ady Saputro Widodo | Jl.Deposito 10      |
| 12         | Aviza             | Jl.Giro 21            |
| 13         | Sekar             | Jl.Taska 3            |
| 14         | Ulin              | Jl.Tabanas 14         |
| 15         | Inung             | Jl.Bunga 13           |
| 16         | Riska             | Jl.Mawar 4            |
| 17         | Alfian            | Jl.Melati 6           |
| 18         | Ainin             | Jl.Merak 9            |
| 19         | Amar              | Jl.Melon 5            |
| 20         | Khumaila          | Jl.Jambu 32           |
| 21         | Mahadika          | Jl. Jatisari No 22    |
+-----+-----+-----+
20 rows in set (0.001 sec)

MariaDB [perbankan]>
```

```
XAMPP for Windows - mysql -u l205
MariaDB [perbankan]> update nasabah set nama_nasabah='Danang' where id_nasabah='10';
Query OK, 1 row affected (0.073 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 |
| 8 | Sari Murti | Jl.Pangandaran 11 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Danang | Jl.Merak 22 |
| 11 | Danang Ady Saputro Widodo | Jl.Deposito 10 |
| 12 | Aviza | Jl.Giro 21 |
| 13 | Sekar | Jl.Taska 3 |
| 14 | Ulin | Jl.Tabanas 14 |
| 15 | Inung | Jl.Bunga 13 |
| 16 | Riska | Jl.Mawar 4 |
| 17 | Alfian | Jl.Melati 6 |
| 18 | Ainin | Jl.Merak 9 |
| 19 | Amar | Jl.Melon 5 |
| 20 | Khumaila | Jl.Jambu 32 |
| 21 | Mahadika | Jl. Jatisari No 22 |
+-----+-----+-----+
20 rows in set (0.001 sec)
```

4. Mata Kuliah A tidak memenuhi standar kebijakan prodi akan pengadaan / penyelenggaraan 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 subquery untuk mendapatkan data-data berikut dari database data kuliah yang telah anda bangun pada modul 4 dan modul 5)

```
MariaDB [kuliah]> select*from mhs_has_matkul;
+-----+-----+
| nimFK | id_matkulFK |
+-----+-----+
| L200180001 | IF001 |
| L200180002 | IF001 |
| L200180003 | IF003 |
| L200180005 | IF004 |
| L200180007 | IF002 |
| L200180011 | IF002 |
| L200180032 | IF005 |
| L200180012 | IF002 |
| L200180112 | IF002 |
| L200180119 | IF001 |
| L200180113 | IF003 |
| L200180122 | IF001 |
| L200180156 | IF002 |
+-----+-----+
13 rows in set (0.00 sec)

MariaDB [kuliah]> update mhs_has_matkul
-> set id_matkulFK='IF001' where id_matkulFK=(select id_matkul from matkul where id_matkul='IF002');
Query OK, 5 rows affected (0.01 sec)
Rows matched: 5 Changed: 5 Warnings: 0

MariaDB [kuliah]> select*from mhs_has_matkul;
+-----+-----+
| nimFK | id_matkulFK |
+-----+-----+
| L200180001 | IF001 |
| L200180002 | IF001 |
| L200180003 | IF003 |
| L200180005 | IF004 |
| L200180007 | IF001 |
| L200180011 | IF001 |
| L200180032 | IF005 |
| L200180012 | IF001 |
| L200180112 | IF001 |
| L200180119 | IF001 |
| L200180113 | IF003 |
| L200180122 | IF001 |
| L200180156 | IF001 |
+-----+-----+
13 rows in set (0.00 sec)
```