Nama   : Kemas Muhammad Kevin

Nim   : L200184033

Kelas   : H

<p align="center">e-UAS PRAKTIKUM Sistim Basis Data</p>

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.

```
MariaDB [perbankan]> select distinct no_rekeningFK, nama_nasabah from transaksi
natural join nasabah where transaksi.id_nasabahFK=nasabah.id_nasabah and tanggal
> '2009-12-1' group by id_nasabahFK order by id_nasabahFK;
+---------------+------------------+
| no_rekeningFK | nama_nasabah     |
+---------------+------------------+
|           103 | Maryati          |
|           101 | Kartika Padmasari|
|           102 | Budi Eko Prayogo |
|           110 | Canka Lokananta  |
+---------------+------------------+
4 rows in set (0.001 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 id_nasabah, nama_cabang, saldo from nasabah
, cabang_bank, rekening, nasabah_has_rekening where nasabah_has_rekening.id_nasa
bahFK=nasabah.id_nasabah and nasabah_has_rekening.no_rekeningFK=rekening.no_reke
ning and cabang_bank.kode_cabang=rekening.kode_cabangFK and (select sum(saldo-75
000) from rekening);
+------------+-------------------------+---------+
| id_nasabah | nama_cabang             | saldo   |
+------------+-------------------------+---------+
|          1 | Bank Rut Unit Magelang  |  900000 |
|          2 | Bank Rut Unit Surakarta |  750000 |
|          3 | Bank Rut Unit Magelang  | 2000000 |
|          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 |
|         10 | Bank Rut Unit Boyolali  | 5000000 |
+------------+-------------------------+---------+
12 rows in set (0.002 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.

```
Command Prompt - mysql -u L033

Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\patorikku>c:

C:\Users\patorikku>cd\

C:\>c C:\xampp\mysql\bin
'c' is not recognized as an internal or external command,
operable program or batch file.

C:\>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 221
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]> insert into nasabah(Id_nasabah, nama_nasabah) values ('L033','L033');
Query OK, 1 row affected, 1 warning (0.180 sec)

MariaDB [perbankan]> grant all privileges on perbankan.nasabah to L033;
Query OK, 0 rows affected (0.325 sec)

MariaDB [perbankan]> flush privileges;
Query OK, 0 rows affected (0.157 sec)

MariaDB [perbankan]> exit
Bye

C:\xampp\mysql\bin>mysql -u L033
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 226
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)]>

MariaDB [perbankan]> select * From nasabah;
+------------+--------------+-------------+-------------+---------+
| id_nasabah | nama_nasabah | nama_cabang | no_rekening | saldo   |
+------------+--------------+-------------+-------------+---------+
|        101 | Kemas        | Banyumas    |          98 |  500000 |
|        105 | Muhammad     | Purworejo   |          89 | 1000000 |
|        120 | Kevin        | Kutoarjo    |          77 | 1500000 |
|        135 | Mayang       | Lembang     |          68 | 2000000 |
|          0 | L033         | NULL        |        NULL |    NULL |
+------------+--------------+-------------+-------------+---------+
5 rows in set (0.000 sec)

MariaDB [perbankan]>
```

```
MariaDB [perbankan]> update nasabah set nama_nasabah='Kemas' where id_nasabah='123';
Query OK, 0 rows affected (0.057 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [perbankan]> delete from nasabah where nama_nasabah='Kemas';
Query OK, 1 row affected (0.036 sec)

MariaDB [perbankan]>
```

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).

```
MariaDB [Matakuliah]> update matkul
    -> set id_matkul = '132'
    -> where nama_matkul = 'Algebra Linear';
Query OK, 0 rows affected (0.000 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [Matakuliah]>
```