Nama: Oscar Satria Utama

NIM: L200180001

Kelas : A

UAS

PRAKTIKUM SISTEM BASIS DATA

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 rekening.no_rekening, nasabah.nama_nasabah from transaksi left outer join nasabah
n transaksi.id_nasabahfk=nasabah.id_nasabah natural join rekening left outer join nasabah_has_rekening using(no_rekenin
Fk) where tanggal>"2009-12-1" group by nasabah.id_nasabah order by nasabah.id_nasabah;
 no_rekening | nama_nasabah
           101 |
                 NULL
                 Sutopo
                 Maryati
                 Suparman
                 Kartika Padmasari
           101
           101
                 Budi Eko Prayoga
           101
                 Canka Lokananta
 rows in set (0.11 sec)
MariaDB [perbankan]> select distinct rekening.no_rekening, nasabah.nama_nasabah from transaksi inner join nasabah on tr
nsaksi.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
                 Suparman
                 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 :

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 :

Membuat user dengan nama '001'

```
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> INSERT INTO user (user, password) VALUES ('001','123');
Query OK, 1 row affected (0.001 sec)
```

Memberikan PRIVILIGES

```
MariaDB [perbankan]> GRANT SELECT, INSERT, UPDATE, DELETE
-> ON perbankan.nasabah
-> TO '001';
Query OK, 0 rows affected (0.001 sec)

MariaDB [perbankan]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [perbankan]> exit;
Bye
```

Memberikan contoh CRUD

```
C:\xampp\mysql\bin>mysql -u 001
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 611
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
```

Insert/Create

```
MariaDB [perbankan]>
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
-> VALUES (11,'Oscar Satria Utama', 'Wonogiri');
Query OK, 1 row affected (0.001 sec)
```

Select/Read

```
MariaDB [perbankan]> SELECT * FROM nasabah;
  id_nasabah | nama_nasabah
                                         alamat_nasabah
                                         Jl.Jenderal Sudirman 12
                 Sutopo
                                         Jl.Mt.Haryono 31
Jl.Hasanudin 81
                 Maryati
            2
3
                 Suparman
                                         Jl.Manggis 15
Jl.Kantil 31
                 Kartika Padmasari
                 Budi Eko Prayogo
                 Satria Eka Jaya
Sari Murti
                                         Jl.Slamet Riyadi 45
            6
                                         Jl.Pangandaran 11
            8
                                         Jl.Tidar 86
Jl.Merak 22
                 Canka Lokanata
           10
                 Budi Murtono
 rows in set (0.000 sec)
```

Update

```
MariaDB [perbankan]> UPDATE nasabah
-> SET alamat_nasabah='Jatisrono, Wonogiri'
-> WHERE id_nasabah=11;
Query OK, 1 row affected (0.001 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

Delete

```
MariaDB [perbankan]> DELETE FROM nasabah
-> WHERE id_nasabah=11;
Query OK, 1 row affected (0.002 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).