Nama: Galih Prayoga

NIM : L200180006

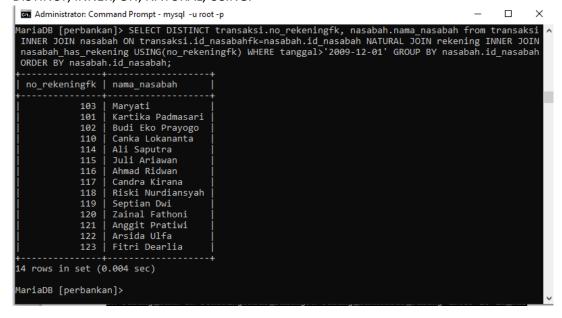
Kelas : A

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. (Kerjakan soal soal menggunakan Using, On, Natural, Outer, Inner, Distinct)
 - a. DISTINCT, OUTER, ON, NATURAL, USING:

```
Administrator: Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT DISTINCT transaksi.no_rekeningfk, nasabah.nama_nasabah from transaksi
RIGHT OUTER JOIN nasabah ON transaksi.id_nasabahfk=nasabah.id_nasabah NATURAL JOIN rekening RIGH
 OUTER JOIN nasabah_has_rekening USING(no_rekeningfk) WHERE tanggal>'2009-12-01' GROUP BY nasaba
 .id_nasabah ORDER BY nasabah.id_nasabah;
  no_rekeningfk | nama_nasabah
                     Maryati
              101
                     Kartika Padmasari
                     Budi Eko Prayogo
              102
                     Canka Lokananta
              110
                     Ali Saputra
              114
              115
                     Juli Ariawan
                     Ahmad Ridwan
              116
                     Candra Kirana
                     Riski Nurdiansyah
              118
                     Septian Dwi
              120
                     Zainal Fathoni
                     Anggit Pratiwi
                     Arsida Ulfa
                     Fitri Dearlia
14 rows in set (0.004 sec)
MariaDB[perbankan]> 🕳
```

b. DISTINCT, INNER, ON, NATURAL, USING:



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)

```
Administrator: Command Prompt - mysql -u root -p
                                                                                                 ×
                                                                                            П
MariaDB [perbankan]> SELECT DISTINCT nasabah_has_rekening.id_nasabahfk, cabang_bank.nama_cabang,
SUM(rekening.saldo-75000) AS 'Sisa Saldo' FRŌM nasabah_has_rekening JOIN rekening on nasabah_has
rekening.no_rekeningfk=rekening.no_rekening JOIN cabang_bank ON rekening.kode_cabangfk=cabang_ban
c.kode_cabang GROUP BY id_nasabahfk HAVING SUM(rekening.saldo>=0);
 id_nasabahfk | nama_cabang
                                            Sisa Saldo
            2 |
                Bank Rut Unit Surakarta
                                                675000
                Bank Rut Unit Surakarta
            3 I
                                               2925000
                Bank Rut Unit Surakarta
                                               1350000
                Bank Rut Unit Surakarta
                                               1200000
                Bank Rut Unit Boyolali
                                                -75000
                Bank Rut Unit Boyolali
                                                -75000
                Bank Rut Unit Klaten
                                                300000
                Bank Rut Unit Yogyakarta
                                                475000
           10
                Bank Rut Unit Boyolali
                                               5105000
                Bank Rut Unit Semarang
                                                425000
                Bank Rut Unit Tegal
                                                325000
                Bank Rut Unit Wonogiri
                                                225000
                Bank Rut Unit Ponorogo
           14
                                                285000
                Bank Rut Unit Pacitan
                                                275000
           16
                Bank Rut Unit Lamongan
                                                225000
           17
                Bank Rut Unit Ungaran
                                                365000
                Bank Rut Unit Jakarta
                                                525000
           19
                Bank Rut Unit Indramayu
                                                355000
                Bank Rut Unit Pekalongan
                                                375000
19 rows in set (0.008 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.).

a. Membuat user

```
MariaDB [mysql]> create user '006'@'localhost' identified by '006';
Query OK, 0 rows affected (0.036 sec)

MariaDB [mysql]> ______
```

b. Memberi privilege pada user 006

```
Administrator: Command Prompt - mysql -u root -p

MariaDB [mysql]> GRANT CREATE ON perbankan.* TO '006'@'localhost';
Query OK, 0 rows affected (0.010 sec)

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

MariaDB [mysql]> GRANT SELECT ON perbankan.* TO '006'@'localhost';
Query OK, 0 rows affected (0.002 sec)

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

MariaDB [mysql]> GRANT UPDATE ON perbankan.* TO '006'@'localhost';
Query OK, 0 rows affected (0.002 sec)

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

```
MariaDB [mysql]> GRANT DELETE ON perbankan.* TO '006'@'localhost';
Query OK, 0 rows affected (0.002 sec)

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

MariaDB [mysql]> GRANT INSERT ON perbankan.* TO '006'@'localhost';
Query OK, 0 rows affected (0.002 sec)

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

MariaDB [mysql]>
```

c. Masuk dengan user 006

```
c:\xampp\mysql\bin>mysql -u 006 -p
Enter password: ***
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 290
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]> _____
```

d. Melakukan CRUD

i. Create

ii. Read

```
×
Administrator: Command Prompt - mysgl -u 006 -p
our MariaDB connection id is 290
Server version: 10.4.11-MariaDB mariadb.org binary distribution
opyright (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
lariaDB [perbankan]> SELECT*FROM cabang_bank;
 kode_cabang | nama_cabang
                                         | alamat_cabang
 BRUB
               Bank Rut Unit Boyolali
                                         | Jl. Ahmad Yani 45
               Bank Rut Unit Cilacap
                                           Jl. Rajawali 34
 RRHC
               Bank Rut Unit Indramayu
 BRUI
                                           Jl. Garuda 15
 BRUJ
               Bank Rut Unit Jakarta
                                           Jl. Soekarno-Hatta 23
 BRUK
               Bank Rut Unit Klaten
                                           Jl. Suparman 23
 BRUL
               Bank Rut Unit Lamongan
                                           Jl. Singa 14
               Bank Rut Unit Pekalongan
 BRUP
                                           Jl. Lawu 37
 BRUPA
               Bank Rut Unit Pacitan
                                           Jl. Selayar 44
 BRUPO
               Bank Rut Unit Ponorogo
                                           Jl. Sudirman 1
 BRUS
               Bank Rut Unit Surakarta
                                           Jl. Slamet Riyadi 18
               Bank Rut Unit Semarang
                                           Jl. Kartini 4
 BRUSE
               Bank Rut Unit Tegal
                                           Jl. Rinjani 12
 BRUT
               Bank Rut Unit Ungaran
                                          Jl. Sisemut 45
 BRUU
 BRUW
               Bank Rut Unit Wonogiri
                                           Jl. A. Yani No.23
 BRUY
               Bank Rut Unit Yogyakarta | Jl. Anggrek 21
15 rows in set (0.001 sec)
MariaDB[perbankan]> 🗕
```

iii. Update

```
MariaDB [perbankan]> UPDATE cabang_bank set alamat_cabang="Jl. Mugiwara 30" WHERE
kode_cabang="BRUU";
Query OK, 1 row affected (0.004 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> SELECT*FROM cabang_bank
 kode_cabang | nama_cabang
                                          alamat_cabang
 BRUB
                Bank Rut Unit Boyolali
                                            Jl. Ahmad Yani 45
                Bank Rut Unit Cilacap
                                            Jl. Rajawali 34
 BRUC
                Bank Rut Unit Indramayu
  BRUI
                                            Jl. Garuda 15
  BRUJ
                                            Jl. Soekarno-Hatta 23
                Bank Rut Unit Jakarta
  BRUK
                Bank Rut Unit Klaten
                                            Jl. Suparman 23
  BRUL
                Bank Rut Unit Lamongan
                                            Jl. Singa 14
  BRUP
                Bank Rut Unit Pekalongan
                                            Jl. Lawu 37
                                            Jl. Selayar 44
  BRUPA
                Bank Rut Unit Pacitan
                Bank Rut Unit Ponorogo
 BRUPO
                                            Jl. Sudirman 1
                                            Jl. Slamet Riyadi 18
                Bank Rut Unit Surakarta
 BRUS
                Bank Rut Unit Semarang
                                            Jl. Kartini 4
 BRUSE
  BRUT
                Bank Rut Unit Tegal
                                            Jl. Rinjani 12
  BRUU
                Bank Rut Unit Ungaran
                                            Jl. Mugiwara 30
                Bank Rut Unit Wonogiri
                                            Jl. A. Yani No.23
  BRUW
                Bank Rut Unit Yogyakarta
                                          Jl. Anggrek 21
 BRUY
15 rows in set (0.000 sec)
MariaDB[perbankan]> 🗕
```

iv. Delete

```
MariaDB [perbankan]> DELETE FROM cabang_bank WHERE kode_cabang="BRUU";
Query OK, 1 row affected (0.005 sec)
MariaDB [perbankan]> SELECT*FROM cabang bank;
   kode_cabang | nama_cabang
                                                                                            alamat_cabang
                    Bank Rut Unit Boyolali | Jl. Ahmad Yani 45
Bank Rut Unit Cilacap | Jl. Rajawali 34
Bank Rut Unit Indramayu | Jl. Garuda 15
Bank Rut Unit Jakarta | Jl. Soekarno-Hatta 23
Bank Rut Unit Klaten | Jl. Suparman 23
Bank Rut Unit Lamongan | Jl. Singa 14
Bank Rut Unit Pekalongan | Jl. Lawu 37
Bank Rut Unit Pacitan | Jl. Selayar 44
Bank Rut Unit Ponorogo | Jl. Sudirman 1
Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18
Bank Rut Unit Semarang | Jl. Kartini 4
Bank Rut Unit Tegal | Jl. Rinjani 12
Bank Rut Unit Wonogiri | Jl. A. Yani No.23
Bank Rut Unit Yogyakarta | Jl. Anggrek 21
   BRUB
    BRUC
   BRUI
    BRUJ
    BRUK
    BRUL
    BRUP
    BRUPA
   BRUPO
   BRUS
    BRUSE
   BRUT
   BRUW
   BRUY
14 rows in set (0.000 sec)
```

4. Menggunakan sub query

