UAS Praktikum Sistem Basis Data

NIM : L200180014

Nama : Andika Wirapala Fathin Azfar

Kelas : A

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.

a) Dengan USING, INNER, DISTINCT

b) Dengan NATURAL, Inner, Distinct

c) Dengan ON, OUTER, Distinct

2. Having, Group By, Distinct

```
MariaDB [perbankan] > SELECT DISTINCT nhs.id_nasabah, cb.nama_cabang,
     -> SUM(r.saldo - 75000) AS 'Sisa Saldo'
     -> FROM nasabah_has_rekening nhs
     -> JOIN rekening r ON nhs.no_rekening = r.no_rekening
     -> JOIN cabang_bank cb ON r.kode_cabangFK = cb.kode_cabang
     -> GROUP BY id_nasabah HAVING SUM(r.saldo > 0);
  id_nasabah | nama_cabang | Sisa Saldo |
               2 | Bank Rut Unit Surakarta | 675000 |
               3 | Bank Rut Unit Surakarta | 2925000
               4 | Bank Rut Unit Surakarta | 1350000 |
5 | Bank Rut Unit Surakarta | 1200000 |
             5 | Bank Rut Unit Klaten

8 | Bank Rut Unit Klaten

9 | Bank Rut Unit Yogyakarta | 475000

10 | Bank Rut Unit Boyolali | 5105000

11 | Bank Rut Unit Cirebon | 375000

12 | Bank Rut Unit Cirebon | 525000
                                                                   300000
             11 | Bank Rut Unit Cirebon | 375000

12 | Bank Rut Unit Bandung | 525000

13 | Bank Rut Unit Semarang | 0

14 | Bank Rut Unit Kendal | 775000

15 | Bank Rut Unit Klaten | 5000

16 | Bank Rut Unit Surakarta | 1425000
              17 | Bank Rut Unit Kendal | 75000
18 | Bank Rut Unit Tegal | 9925000
              19 | Bank Rut Unit Tasikmalaya | 875000
              20 | Bank Rut Unit Jakarta |
                                                                   825000
```

3. Membuat user '014'

```
MariaDB [mysql]> CREATE USER '014'@'localhost' identified by '014';

Query OK, 0 rows affected (0.03 sec)

MariaDB [mysql]>
```

```
/ Jopt/lampp/bin/mysql -u 014 -p
Enter password:
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 18
Server version: 10.1.40-MariaDB Source 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)]>
```

Memberi privilege

```
MariaDB [mysql]> GRANT CREATE, INSERT, SELECT, UPDATE, DELETE
-> ON perbankan.* TO '014'@'localhost';
Query OK, O rows affected (0.00 sec)

MariaDB [mysql]> FLUSH PRIVILEGES;
Query OK, O rows affected (0.00 sec)
```

Contoh CRUD Create/Insert

Read/Select

Update

```
MariaDB [perbankan]> UPDATE cabang_bank SET nama_cabang = 'Bank Unit Update'
    -> WHERE kode_cabang = 'Btes';
Query OK, 1 row affected (0.12 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> SELECT * FROM cabang_bank WHERE kode_cabang = 'Btes';
+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+
| BTes | Bank Unit Update | Jl.Mana |
+-----+
1 row in set (0.01 sec)
```

Delete

```
MariaDB [perbankan]> DELETE FROM cabang_bank WHERE kode_cabang = 'BTes';

Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> SELECT * FROM cabang_bank WHERE kode_cabang = 'BTes';

Empty set (0.00 sec)
```

4. Subquery

```
MariaDB [perkuliahan]> SELECT * FROM mahasiswa_has_mata_kuliah;
| kode_matkul | NIM |
           | 120 |
| 121 |
 TIF40505
 TIF40505
           122
 TIF40505
 TIF40505
           123
 TIF40505
          125
 TIF40505
 TIF40505 | 126
 TIF40505 | 127
 TIF40505
            130
 TIF40513 | 129 |
MariaDB [perkuliahan]> UPDATE mahasiswa_has_mata_kuliah
   -> SET kode_matkul = 'TIF40505' WHERE kode_matkul = (
   -> SELECT kode_matkul FROM mata_kuliah WHERE kode_matkul = 'TIF40513');
Query OK, 1 row affected (0.09 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perkuliahan]> SELECT * FROM mahasiswa_has_mata_kuliah;
| kode_matkul | NIM |
          | 120 |
| 121 |
 TIF40505
 TIF40505
 TIF40505
 TIF40505
 TIF40505
            124
            125
 TIF40505
 TIF40505
            126
 TIF40505
            127
 TIF40505
            129
           | 130
  TIF40505
10 rows in set (0.00 sec)
```