Nama : Faizal Wahyu N
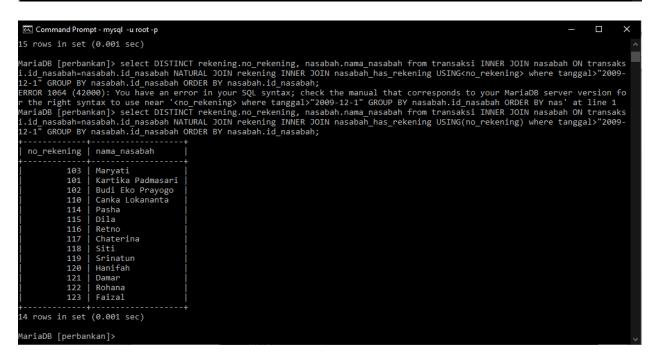
NIM   : L200180011

Kelas : A

JAWABAN UAS PRAK SBD

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)

```
Command Prompt - mysql  -u root -p                                                    —  □  ×
15 rows in set (0.042 sec)

MariaDB [perbankan]> select DISTINCT rekening.no_rekening, nasabah.nama_nasabah from transaksi LEFT OUTER JOIN nasabah ON tra
nsaksi.id_nasabah=nasabah.id_nasabah NATURAL JOIN rekening LEFT OUTER JOIN nasabah_has_rekening USING(no_rekening) where tang
gal>"2009-12-1" GROUP BY nasabah.id_nasabah ORDER BY nasabah.id_nasabah;
+-------------+------------------+
| no_rekening | nama_nasabah     |
+-------------+------------------+
|         109 | NULL             |
|         103 | Maryati          |
|         101 | Kartika Padmasari |
|         102 | Budi Eko Prayogo |
|         110 | Canka Lokananta  |
|         114 | Pasha            |
|         115 | Dila             |
|         116 | Retno            |
|         117 | Chaterina        |
|         118 | Siti             |
|         119 | Srinatun         |
|         120 | Hanifah          |
|         121 | Damar            |
|         122 | Rohana           |
|         123 | Faizal           |
+-------------+------------------+
15 rows in set (0.001 sec)
```

```
Command Prompt - mysql  -u root -p                                                    —  □  ×
15 rows in set (0.001 sec)

MariaDB [perbankan]> select DISTINCT rekening.no_rekening, nasabah.nama_nasabah from transaksi INNER JOIN nasabah ON transaks
i.id_nasabah=nasabah.id_nasabah NATURAL JOIN rekening INNER JOIN nasabah_has_rekening USING<no_rekening> where tanggal>"2009-
12-1" GROUP BY nasabah.id_nasabah ORDER BY nasabah.id_nasabah;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version fo
r the right syntax to use near '<no_rekening> where tanggal>"2009-12-1" GROUP BY nasabah.id_nasabah ORDER BY nas' at line 1
MariaDB [perbankan]> select DISTINCT rekening.no_rekening, nasabah.nama_nasabah from transaksi INNER JOIN nasabah ON transaks
i.id_nasabah=nasabah.id_nasabah NATURAL JOIN rekening INNER JOIN nasabah_has_rekening USING(no_rekening) where tanggal>"2009-
12-1" GROUP BY nasabah.id_nasabah ORDER BY nasabah.id_nasabah;
+-------------+------------------+
| no_rekening | nama_nasabah     |
+-------------+------------------+
|         103 | Maryati          |
|         101 | Kartika Padmasari |
|         102 | Budi Eko Prayogo |
|         110 | Canka Lokananta  |
|         114 | Pasha            |
|         115 | Dila             |
|         116 | Retno            |
|         117 | Chaterina        |
|         118 | Siti             |
|         119 | Srinatun         |
|         120 | Hanifah          |
|         121 | Damar            |
|         122 | Rohana           |
|         123 | Faizal           |
+-------------+------------------+
14 rows in set (0.001 sec)

MariaDB [perbankan]>
```

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)

```
MariaDB [perbankan]> SELECT DISTINCT nasabah_has_rekening.id_nasabahFK, cabang_bank.nama_cabang, SUM(rekening.saldo-75000) as "Sisa Saldo" FROM nasabah_has_rekening JOI
N rekening ON nasabah_has_rekening.no_rekeningFK = rekening.no_rekening JOIN cabang_bank ON rekening.kode_cabangFK =  cabang_bank.kode_cabang GROUP BY id_nasabahFK HAVI
NG SUM(rekening.saldo>=0);
+--------------+--------------------------+------------+
| id_nasabahFK | nama_cabang              | Sisa Saldo |
+--------------+--------------------------+------------+
|            1 | Bank Rut Unit Magelang   |     825000 |
|            2 | Bank Rut Unit Surakarta  |     675000 |
|            3 | Bank Rut Unit Magelang   |    4850000 |
|            4 | Bank Rut Unit Surakarta  |    1350000 |
|            5 | Bank Rut Unit Surakarta  |    1200000 |
|            6 | Bank Rut Unit Boyolali   |     -75000 |
|            7 | Bank Rut Unit Klaten     |      75000 |
|            8 | Bank Rut Unit Klaten     |     225000 |
|            9 | Bank Rut Unit Yogyakarta |     475000 |
|           10 | Bank Rut Unit Boyolali   |    5105000 |
+--------------+--------------------------+------------+
10 rows in set (0.12 sec)
```

3. Buatlah user baru dengan NIM 011 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.).

```
Command Prompt                                                    —    □    ×
MariaDB [perbankan]> use mysql;
Database changed
MariaDB [mysql]> CREATE user '011'@'localhost' identified by
    -> );
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version fo
r the right syntax to use near ')' at line 2
MariaDB [mysql]> CREATE user '011'@'localhost' identified by '011';
Query OK, 0 rows affected (0.127 sec)

MariaDB [mysql]> GRANTE CREATE on perbankan.faizal to '011'@'localhost';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version fo
r the right syntax to use near 'GRANTE CREATE on perbankan.faizal to '011'@'localhost'' at line 1
MariaDB [mysql]> GRANTE CREATE on perbankan.faizal to '011'@'localhost';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version fo
r the right syntax to use near 'GRANTE CREATE on perbankan.faizal to '011'@'localhost'' at line 1
MariaDB [mysql]>
MariaDB [mysql]> GRANTE CREATE on perbankan.nasabah to '011'@'localhost';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version fo
r the right syntax to use near 'GRANTE CREATE on perbankan.nasabah to '011'@'localhost'' at line 1
MariaDB [mysql]> GRANT CREATE on perbankan.faizal to '011'@'localhost';
Query OK, 0 rows affected (0.055 sec)

MariaDB [mysql]> GRANT INSERT on perbankan.nasabah to '011'@'localhost';
Query OK, 0 rows affected (0.030 sec)

MariaDB [mysql]> GRANT SELECT on perbankan.nasabah to '011'@'localhost';
```

```
r the right syntax to use near 'GRANTE CREATE on perbankan.nasabah to '011'@'localhost'' at line 1
MariaDB [mysql]> GRANT CREATE on perbankan.faizal to '011'@'localhost';
Query OK, 0 rows affected (0.055 sec)

MariaDB [mysql]> GRANT INSERT on perbankan.nasabah to '011'@'localhost';
Query OK, 0 rows affected (0.030 sec)

MariaDB [mysql]> GRANT SELECT on perbankan.nasabah to '011'@'localhost';
Query OK, 0 rows affected (0.038 sec)

MariaDB [mysql]> GRANT CREATE on perbankan.nasabah to '011'@'localhost';
Query OK, 0 rows affected (0.122 sec)

MariaDB [mysql]> GRANT UPDATE on perbankan.nasabah to '011'@'localhost';
Query OK, 0 rows affected (0.028 sec)

MariaDB [mysql]> GRANT DELETE on perbankan.nasabah to '011'@'localhost';
Query OK, 0 rows affected (0.044 sec)

MariaDB [mysql]> exit
Bye

D:\xampp\mysql\bin>
```

```
D:\xampp\mysql\bin>mysql -u 011 -p
Enter password: ***
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 54
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]> 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 Murtono      | Jl. Merak 22           |
|         11 | Pasha             | Wonogiri               |
|         12 | Dila              | Wonogiri               |
|         13 | Retno             | Wonogiri               |
|         14 | Chaterina         | Wonogiri               |
```

```
                                                                                          — □ ×
CM Command Prompt
       10 | Budi Murtono      | Jl. Merak 22          |
       11 | Pasha             | Wonogiri              |
       12 | Dila              | Wonogiri              |
       13 | Retno             | Wonogiri              |
       14 | Chaterina         | Wonogiri              |
       15 | Siti              | Wonogiri              |
       16 | Srinatun          | Wonogiri              |
       17 | Hanifah           | Solo                  |
       18 | Damar             | Solo                  |
       19 | Rohana            | Solo                  |
       20 | Faizal            | Bekasi                |
+------------+-------------------+-----------------------+
19 rows in set (0.000 sec)

MariaDB [perbankan]> INSER INTO nasabah VALUE (24, "Kim Taehyung","Seoul");
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax t
o use near 'INSER INTO nasabah VALUE (24, "Kim Taehyung","Seoul")' at line 1
MariaDB [perbankan]> INSERT INTO nasabah VALUE (24, "Kim Taehyung","Seoul");
Query OK, 1 row affected (0.089 sec)

MariaDB [perbankan]> UPDATE nasabah SET nama_nasabah="Faizal Wahyu" WHERE id_nasabah=20;
Query OK, 1 row affected (0.076 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> DELETE FROM nasabah WHERE id_nasabah=16;
Query OK, 1 row affected (0.089 sec)

MariaDB [perbankan]> CREATE table Faizal (id INTEGER, nama VARCHAR(45));
Query OK, 0 rows affected (0.367 sec)

MariaDB [perbankan]> exit
Bye

D:\xampp\mysql\bin>
```

4. Mata kuliah A tidak memenuhi standar kebijakan prodi akan pengadaan/pengelenggaraan kelas karena <10 mahasiswa disebabkan oleh kurangnya minat mahasiswa akan mata kuliah A. Sehingga mahasiswa yang mengambil mata kuliah A diharuskan revisi ke mata kuliah lain(atau sudah terselenggara).
(Gunakan subquery untuk mendapatkan data data berikut dari database data kuliah yang telah anda bangun pada modul 4 dan 5)

```
MariaDB [perkuliahan]> UPDATE mahasiswa_has_matkul set kode_matkul="10" WHERE kode_matkul = (SELECT kode_matkul from matkul where kode_matkul="1");
Query OK, 2 rows affected (0.08 sec)
Rows matched: 2  Changed: 2  Warnings: 0

MariaDB [perkuliahan]> select * from mahasiswa_has_matkul;
+--------------+-------------+
| id_mahasiswa | kode_matkul |
+--------------+-------------+
|            1 |          10 |
|            2 |          10 |
|            3 |           3 |
|            4 |           4 |
|            5 |           5 |
+--------------+-------------+
5 rows in set (0.00 sec)
```