

**NAMA = FAWWAZ HAIDAR A.K**

**NIM = L200183143**

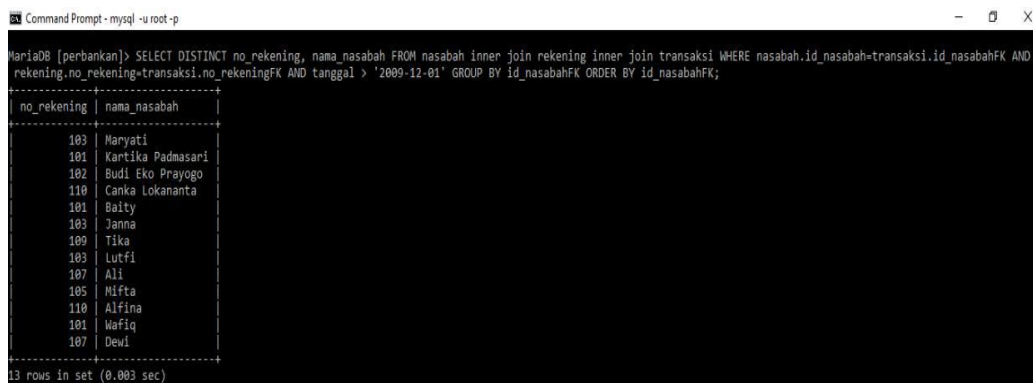
**KELAS = H**

## **UAS PRAKTIKUM BASIS DATA**

1. Tampilkan no\_rekening, nama\_nasabah yang melakukan transaksi di atas tanggal '1 Desember 2009' diurutkan berdasarkan id\_nasabah. Nb : masing-masing id\_nasabah menampilkan satu transaksi, tidak boleh berulang. (Kerjakan soal-soal dengan menggunakan Using, On, Natural, Outer, Inner, Distinct)

### **JAWABAN**

```
SELECT DISTINCT no_rekening, nama_nasabah FROM nasabah inner join
rekening          inner          join          transaksi          WHERE
nasabah.id_nasabah=transaksi.id_nasabahFK          AND
rekening.no_rekening=transaksi.no_rekeningFK AND tanggal > '2009-12-01'
GROUP BY id_nasabahFK ORDER BY id_nasabahFK;
```



The screenshot shows a MySQL command prompt window with the following text:

```
MariaDB [perbankan]> SELECT DISTINCT no_rekening, nama_nasabah FROM nasabah inner join rekening inner join transaksi WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND rekening.no_rekening=transaksi.no_rekeningFK AND tanggal > '2009-12-01' GROUP BY id_nasabahFK ORDER BY id_nasabahFK;
```

| no_rekening | nama_nasabah      |
|-------------|-------------------|
| 103         | Maryati           |
| 101         | Kartika Padmasari |
| 102         | Budi Eko Prayogo  |
| 110         | Canka Lokananta   |
| 101         | Baity             |
| 103         | Janna             |
| 109         | Tika              |
| 103         | Lutfi             |
| 107         | Ali               |
| 105         | Mifta             |
| 110         | Alfina            |
| 101         | Wafiq             |
| 107         | Dewi              |

13 rows in set (0.003 sec)

2. Tampilkan id\_nasabah, nama\_cabang, jumlah saldo (dalam sisa saldo) dari masing-masing id\_nasabah dikurangi 75.000 untuk pembayaran SPP.

### **JAWABAN**

```
SELECT DISTINCT id_nasabah, nama_cabang, (rekening.saldo-75000) as
'JUMLAH SALDO' FROM nasabah INNER JOIN cabang_bank INNER JOIN
```

rekening INNER JOIN transaksi ON nasabah.id\_nasabah =  
 transaksi.id\_nasabahFK AND rekening.no\_rekening  
 = transaksi.no\_rekeningFK AND cabang\_bank.kode\_cabang =  
 rekening.kode\_cabangFK GROUP BY no\_rekening;

```

Command Prompt - mysql -u root -p

MariaDB [perbankan]> SELECT DISTINCT id_nasabah, nama_cabang, (rekening.saldo-75000) as 'JUMLAH SALDO' FROM nasabah INNER JOIN cabang_bank INNER JOIN rekening INNER JOI
N transaksi ON nasabah.id_nasabah = transaksi.id_nasabahFK AND rekening.no_rekening = transaksi.no_rekeningFK AND cabang_bank.kode_cabang = rekening.kode_cabangFK GROUP
BY no_rekening;
+-----+-----+-----+
| id_nasabah | nama_cabang | JUMLAH SALDO |
+-----+-----+-----+
| 4 | Bank Rut Cabang Surakarta | 425000 |
| 5 | Bank Rut Cabang Surakarta | 275000 |
| 2 | Bank Rut Cabang Surakarta | 675000 |
| 1 | Bank Rut Unit Magelang | 825000 |
| 3 | Bank Rut Unit Magelang | 1925000 |
| 3 | Bank Rut Cabang Surakarta | 2925000 |
| 5 | Bank Rut Cabang Surakarta | 925000 |
| 10 | Bank Rut Unit Boyolali | 4925000 |
| 13 | Bank Rut Unit Boyolali | -75000 |
| 9 | Bank Rut Unit Yogyakarta | 475000 |
+-----+-----+-----+
10 rows in set (0.045 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 memberikan hak akses pada user.

```

Command Prompt - mysql -u '143' -p

Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Acer>cd..
C:\Users>cd..
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 9
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]> CREATE USER '143'@'localhost' IDENTIFIED BY 'fawaz';
Query OK, 0 rows affected (0.004 sec)

MariaDB [perbankan]> GRANT all privileges on perbankan.nasabah to '143'@'localhost';
Query OK, 0 rows affected (0.007 sec)

```

```

MariaDB [mysql]> GRANT all privileges on perbankan.nasabah to '143'@'localhost';
Query OK, 0 rows affected (0.067 sec)

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

MariaDB [mysql]> exit
Bye

```

```

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.Maryono 31 |
| 3 | Suparman | Jl.Hasanudin 81 |
| 4 | Kartika Padmasari | Jl.Menggil 15 |
| 5 | Budi Eko Prayogo | Jl.Kantil 30 |
| 6 | Satria Eka Jaya | Jl.Slamet Riyadi 45 |
| 8 | Saei Nurti | Jl.Pandangan 11 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Bejo | Jl.Merak 22 |
| 11 | Permin | Jl.Deposito 10 |
| 12 | Markonah | Jl.Sesama 21 |
| 13 | paiddi | Jl.kita berbeda 3 |
| 14 | suwandi | Jl.sama aku nikah sama dia14 |
| 15 | bardi | Jl. angker 19 |
| 16 | marwoto | Jl.kebenaran 4 |
| 17 | Alfian | Jl.Melati 6 |
| 18 | Cokro | Jl.keburukan 9 |
| 19 | waryono | Jl.kita berbeda 5 |
| 20 | pawiro | Jl.menuju surga 32 |
| 21 | robiah | Jl. buntu No 22 |
+-----+-----+-----+
20 rows in set (0.022 sec)

```

```
Command Prompt - mysql -u '143' -p
MariaDB [perbankan]> update nasabah set nama_nasabah='Fawwaz' where id_nasabah='21';
Query OK, 1 row affected (0.064 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
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         | Bejo              | Jl.Merak 22                  |
| 11         | parmin            | Jl.Deposito 10               |
| 12         | markonah          | Jl.sesama 21                 |
| 13         | paidd             | Jl.kita berbeda 3            |
| 14         | suwandi           | Jl.sama aku nikah sama dia14 |
| 15         | bardi             | Jl. angker 13                |
| 16         | marwoto           | Jl.kebenaran 4               |
| 17         | Alfian            | Jl.Melati 6                  |
| 18         | Cokro             | Jl.keburukan 9               |
| 19         | waryono           | Jl.kita berbeda 5            |
| 20         | pawiro            | Jl.menuju surga 32           |
| 21         | Fawwaz            | Jl. buntu No 22              |

```
20 rows in set (0.000 sec)
```

```
MariaDB [perbankan]> delete from nasabah where nama_nasabah='pawiro';
Query OK, 1 row affected (0.109 sec)
```

```
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         | Bejo              | Jl.Merak 22                  |
| 11         | parmin            | Jl.Deposito 10               |
| 12         | markonah          | Jl.sesama 21                 |
| 13         | paidd             | Jl.kita berbeda 3            |
| 14         | suwandi           | Jl.sama aku nikah sama dia14 |
| 15         | bardi             | Jl. angker 13                |
| 16         | marwoto           | Jl.kebenaran 4               |
| 17         | Alfian            | Jl.Melati 6                  |
| 18         | Cokro             | Jl.keburukan 9               |
| 19         | waryono           | Jl.kita berbeda 5            |
| 21         | Fawwaz            | Jl. buntu No 22              |

```
19 rows in set (0.000 sec)
```

4. Mata kuliah A tidak memenuhi standar kebijakan prodi akan pengadaan/penyelenggaraan kelas karena < 10 mahasiswa disebabkan kurang minatnya mahasiswa akan mata kuliah A. sehingga mahasiswa yang mengambil matakuliah A diharuskan revisi ke matakuliah lain (atau yang sudah terselenggara)

(Gunakan Sub Query untuk mendapatkan data-data berikut dari database data kuliah yang telah anda bangun pada modul 4 dan modul 5.)

### JAWABAN

```
XAMPP for Windows - mysql -u root

MariaDB [kuliah]> select*from mhs_has_matkul;
+-----+-----+
| nimFK | id_matkulFK |
+-----+-----+
| L200180001 | IF001 |
| L200180002 | IF001 |
| L200180003 | IF003 |
| L200180005 | IF004 |
| L200180007 | IF002 |
| L200180011 | IF002 |
| L200180032 | IF005 |
| L200180012 | IF002 |
| L200180112 | IF002 |
| L200180119 | IF001 |
| L200180113 | IF003 |
| L200180122 | IF001 |
| L200180156 | IF002 |
+-----+-----+
13 rows in set (0.00 sec)

MariaDB [kuliah]> update mhs_has_matkul
-> set id_matkulFK='IF001' where id_matkulFK=(select id_matkul from matkul where id_matkul='IF002');
Query OK, 5 rows affected (0.01 sec)
Rows matched: 5 Changed: 5 Warnings: 0

MariaDB [kuliah]> select*from mhs_has_matkul;
+-----+-----+
| nimFK | id_matkulFK |
+-----+-----+
| L200180001 | IF001 |
| L200180002 | IF001 |
| L200180003 | IF003 |
| L200180005 | IF004 |
| L200180007 | IF001 |
| L200180011 | IF001 |
| L200180032 | IF005 |
| L200180012 | IF001 |
| L200180112 | IF001 |
| L200180119 | IF001 |
| L200180113 | IF003 |
| L200180122 | IF001 |
| L200180156 | IF001 |
+-----+-----+
13 rows in set (0.00 sec)
```