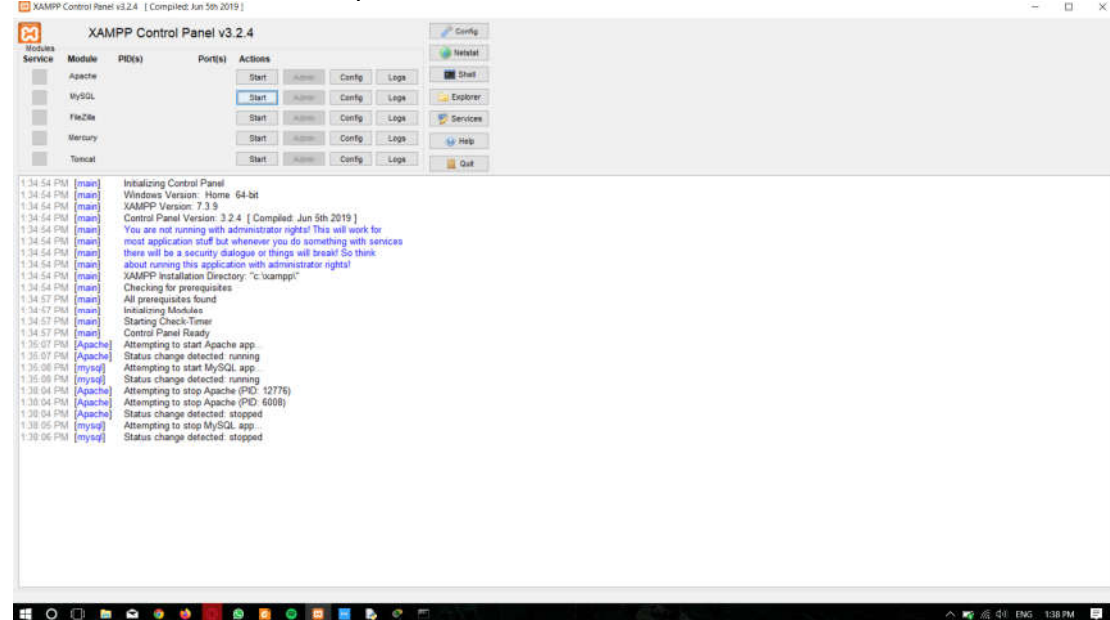


Nama : Luqman Hanung Asidiq
NIM : L200180035
Kelas : B

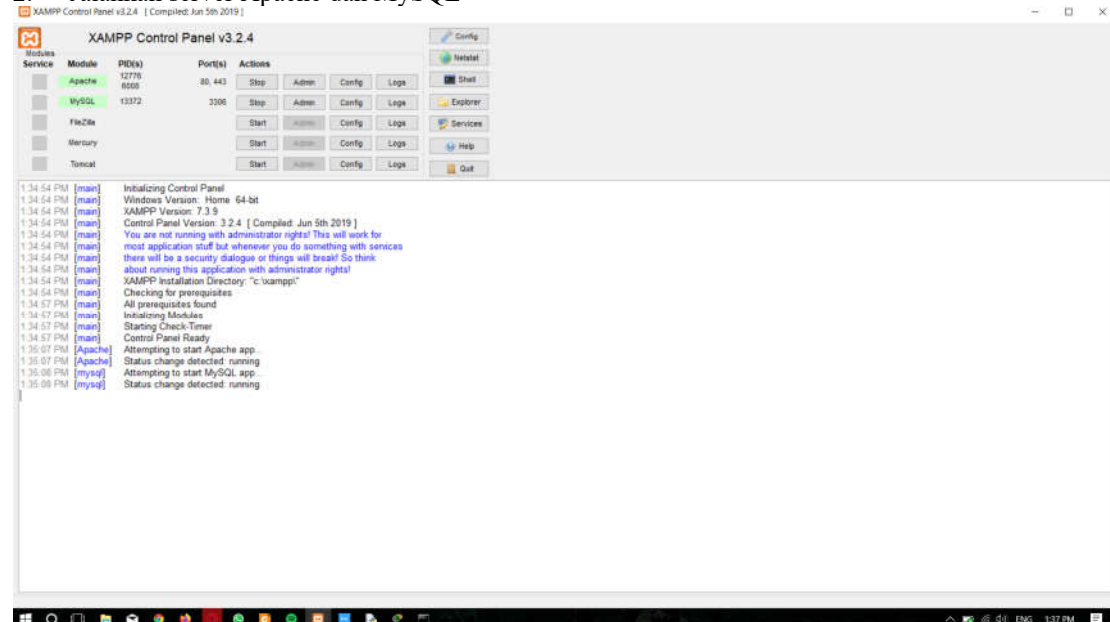
Praktikum Sistem Basis Data Modul 6

Langkah-langkah praktikum

1. Jalankan XAMPP Control panel



2. Jalankan server Apache dan MySQL



3. Buka Command Prompt dan login sebagai root ke MySQL seperti langkah modul 1.

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.16299.15]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\asus>cd..

C:\Users>cd..

C:\>cd 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: 10.4.6-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)]>
```

4. Pilih database perbankan dengan perintah “use perbankan;”. sehingga akan muncul pemberitahuan “database changed”.

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

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]>
```

5. Tampilkan nama bank dan alamat bank untuk semua cabang bank dan diurutkan berdasarkan nama bank.

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

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> SELECT nama_cabang, alamat_cabang FROM cabang_bank ORDER BY nama_cabang;

+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Rut Unit Boyolali | Jl. ahmad yani 45 |
| Bank Rut Unit Klaten | Jl. suparman 23 |
| Bank Rut Unit Surakarta | Jl. slamet riyadi 19 |
| Bank Rut Unit Monogiri | Jl. A. Yani No.23 |
| Bank Rut Unit Yogyakarta | Jl. angrek 21 |
+-----+-----+
5 rows in set (0.020 sec)

MariaDB [perbankan]>
```

6. Tampilkan nomor rekening, pin, dan jumlah saldo untuk semua rekening dan diurutkan berdasarkan jumlah saldo yang paling besar ke yang lebih kecil

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

MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY saldo DESC;

+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 110 | 1234 | 55000000 |
| 108 | 0000 | 50000000 |
| 106 | 6666 | 30000000 |
| 113 | 8888 | 25500000 |
| 105 | 5555 | 20000000 |
| 111 | 4321 | 15000000 |
| 107 | 7777 | 10000000 |
| 104 | 4444 | 9000000 |
| 103 | 3333 | 7500000 |
| 101 | 1111 | 5000000 |
| 102 | 2222 | 3500000 |
| 112 | 0123 | 3000000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
13 rows in set (0.075 sec)

MariaDB [perbankan]>
```

TUGAS

1. Tampilkan nama nasabah dan alamat nasabah diurutkan berdasarkan nama_nasabah

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

MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah ORDER BY nama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| budi eko prayogo | jl. kanti 30 |
| budi murtono | jl. merak 22 |
| canka lokananta | jl. tidar 86 |
| kartika padmasari | jl. manggis 15 |
| Maryati | jl. Mr. Haryono 31 |
| sari murti | jl. pangandaran 11 |
| satria eka jaya | jl. slamet riyadi 45 |
| Suparman | jl. hasanudin 81 |
| Sutopo | jl. jendral sudirman 12 |
+-----+-----+
9 rows in set (0.013 sec)

MariaDB [perbankan]>
```

2. Tampilkan jenis transaksi dan jumlah transaksi dimana jenis transaksinya adalah kredit

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

MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE jenis_transaksi = 'kredit';
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| kredit | 20000 |
| kredit | 50000 |
| kredit | 240000 |
| kredit | 420000 |
| kredit | 280000 |
| kredit | 890000 |
| kredit | 210000 |
| kredit | 560000 |
| kredit | 380000 |
| kredit | 210000 |
| kredit | 1000000 |
| kredit | 670000 |
| kredit | 6900000 |
+-----+-----+
13 rows in set (0.013 sec)

MariaDB [perbankan]>
```

3. Tampilkan jenis transaksi dan jumlah transaksi yang melakukan transaksi pada tanggal 21 November 2009 dan diurutkan berdasarkan jumlah transaksi

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal = '2009-11-21';
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| debit           | 50000  |
+-----+-----+
1 row in set (0.001 sec)

MariaDB [perbankan]>
```

4. Tampilkan nama nasabah, jenis transaksi dan jumlah transaksi dimana jumlah transaksi = Rp 20.000

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, jumlah FROM nasabah, transaksi WHERE nasabah.id_nasabah = transaksi.id_nasabahFK and jumlah = 200000;
Empty set (0.001 sec)

MariaDB [perbankan]>
```

5. Tampilkan nama nasabah dan alamat nasabah dimana nama nasabah diawali dengan kata 'Su'

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE 'Su%';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Sutopo       | Jl. Jendral sudirman 12 |
| Superman     | Jl. hasanudin 81 |
+-----+-----+
2 rows in set (0.000 sec)

MariaDB [perbankan]>
```

6. Tampilkan jenis transaksi dan tanggal dimana jenis transaksinya kredit

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT jenis_transaksi, tanggal FROM transaksi WHERE jenis_transaksi = 'kredit';
+-----+-----+
| jenis_transaksi | tanggal |
+-----+-----+
| kredit          | 2009-11-18 00:00:00 |
| kredit          | 2009-11-12 00:00:00 |
| kredit          | 2009-11-13 00:00:00 |
| kredit          | 2009-11-14 00:00:00 |
| kredit          | 2009-11-15 00:00:00 |
| kredit          | 2009-11-16 00:00:00 |
| kredit          | 2009-11-17 00:00:00 |
| kredit          | 2009-11-17 00:00:00 |
| kredit          | 2009-11-18 00:00:00 |
| kredit          | 2009-11-19 00:00:00 |
| kredit          | 2009-11-21 00:00:00 |
| kredit          | 0000-00-00 00:00:00 |
| kredit          | 0000-00-00 00:00:00 |
+-----+-----+
13 rows in set (0.000 sec)

MariaDB [perbankan]>
```

7. Tampilkan jenis transaksi, tanggal, jumlah dimana jumlahnya 500000

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT jenis_transaksi, tanggal, jumlah FROM transaksi WHERE jumlah = 500000;
+-----+-----+-----+
| jenis_transaksi | tanggal                | jumlah |
+-----+-----+-----+
| debit           | 2009-11-21 00:00:00    | 500000 |
| kredit          | 2009-11-12 00:00:00    | 500000 |
| kredit          | 2009-11-15 00:00:00    | 500000 |
| debit           | 2009-11-23 00:00:00    | 500000 |
| debit           | 2009-11-28 00:00:00    | 500000 |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

8. Tampilkan nasabah urutkan berdasarkan id nasabah dimana LIMIT = 1 dan OFFSET = 3

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * FROM nasabah ORDER BY id_nasabah LIMIT 1 OFFSET 3;
+-----+-----+-----+
| id_nasabah | nama_nasabah           | alamat_nasabah |
+-----+-----+-----+
| 4          | kartika podmasari      | jl. manggis 15 |
+-----+-----+-----+
1 row in set (0.006 sec)

MariaDB [perbankan]>
```

9. Tampilkan Rekening dimana Pin adalah NULL

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * FROM rekening WHERE pin IS NULL;
Empty set (0.000 sec)
MariaDB [perbankan]>
```

10. Tampilkan nasabah dimana namanya NULL diurutkan oleh id nasabah dengan LIMIT = 2 dan OFFSET 2

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nama_nasabah IS NULL ORDER BY id_nasabah LIMIT 1 OFFSET 3;
Empty set (0.001 sec)
MariaDB [perbankan]>
```