Nama : Vintan Kirana

NIM : L200180144
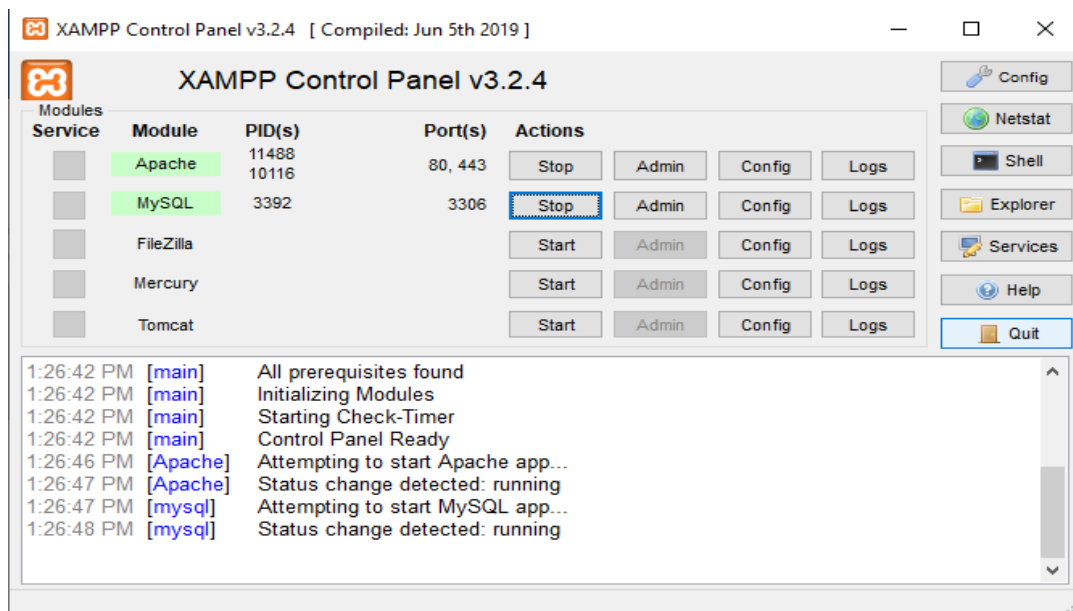
Kelas : F

PRAKTIKUM BASIS

DATA MODUL 6

Langkah-Langkah Kegiatan

1. Jalankan XAMPP Control Panel dan jalankan Apache dan MySQL

2. Buka CMD login MySQL dan pilih database perbankan

3. Tampilan nama bank dan alamat bank untuk semua cabang bank dan diurutkan berdasarkan nama bank

```
Command Prompt - mysql -u root -p                                              —    □    ×

ERROR 1054 (42S22): Unknown column 'nama_bank' in 'field list'
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 Kalten    | jl suparman 23       |
| Bank Rut Unit Surakarta | jl Slemet riyadi 18  |
| Bank Rut Unit Wonogiri  | jl untung suropati 12|
| Bank Rut Unit Yogyakarta| jl anggrek 21        |
+-------------------------+----------------------+
5 rows in set (0.001 sec)
```

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

```
Command Prompt - mysql -u root -p                                              —    □    ×

MariaDB [perbankan]> SELECT no_rekening,pin,saldo FROM rekening ORDER BY saldo DESC;
+-------------+------+---------+
| no_rekening | pin  | saldo   |
+-------------+------+---------+
|         108 | 0000 | 5000000 |
|         106 | 6666 | 3000000 |
|         105 | 5555 | 2000000 |
|         107 | 7777 | 1000000 |
|         104 | 4444 |  900000 |
|         103 | 3333 |  750000 |
|         110 | 1234 |  550000 |
|         117 | 5678 |  500000 |
|         118 | 6789 |  500000 |
|         119 | 7890 |  500000 |
|         120 | 8901 |  500000 |
|         121 | 9012 |  500000 |
|         101 | 1111 |  500000 |
|         122 | 0123 |  500000 |
|         116 | 4567 |  500000 |
|         115 | 3456 |  500000 |
|         114 | 2345 |  500000 |
|         123 | 3210 |  500000 |
|         102 | 2222 |  350000 |
|         112 | 0123 |  300000 |
|         113 | 8888 |  250000 |
|         111 | 4321 |  150000 |
|         109 | 9999 |       0 |
+-------------+------+---------+
23 rows in set (0.001 sec)
```

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        |
+-------------------+-----------------------+
| ahluzain          | lampung               |
| aji               | karanganyar           |
| amri              | solo                  |
| aziss             | sragen                |
| banu              | karanganyar           |
| Budi Eko Prayogo  | jl Kantil 30          |
| Budi Utomo        | jl Merak 22           |
| Canka Lokananta   | jl Tidar 86           |
| danu              | sragen                |
| hanan             | sragen                |
| ilyas             | wonogiri              |
| iqbal             | wonogiri              |
| Kartika Padmasari | jl Manggis 15         |
| Maryati           | jl MT.Haryono 31      |
| riza              | solo                  |
| Sari Murti        | jl Pangadaran 11      |
| Satria Eka Utama  | jl Slamet Riyadi 45   |
| Suparman          | jl. Hassanudin 81     |
| Sutopo            | jl.jendral Sudirman 12 |
+-------------------+-----------------------+
19 rows in set (0.001 sec)
```

2. Tampilkan jenis transaksi dan jumlah dimana jenis transaksinya 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          |  30000 |
| kredit          | 200000 |
| kredit          | 150000 |
| kredit          |  50000 |
| kredit          | 200000 |
| kredit          | 100000 |
| kredit          |  20000 |
| kredit          |  50000 |
| kredit          | 200000 |
| kredit          | 100000 |
| kredit          | 100000 |
| kredit          | 200000 |
| kredit          | 450000 |
| kredit          |  60000 |
| kredit          | 257000 |
| kredit          | 125000 |
| kredit          | 900000 |
| kredit          | 700000 |
| kredit          |  27000 |
| kredit          | 200000 |
| kredit          | 400000 |
| kredit          | 220000 |
| kredit          | 445000 |
+-----------------+--------+
24 rows in set (0.097 sec)
```

3. Tampilkan jenis transaksi dan jumlah transaksi yg melakukan transaksi tanggal 21-11-2009

```
Command Prompt - mysql  -u root -p                                                   —    □    ✕
24 rows in set (0.097 sec)

MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal = '2009-11-21' ORDER BY jumlah DESC;
+-----------------+--------+
| jenis_transaksi | jumlah |
+-----------------+--------+
| debit           |  40000 |
+-----------------+--------+
```

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

```
Command Prompt - mysql  -u root -p                                                   —    □    ✕
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, jumlah FROM nasabah, transaksi WHERE jumlah = 20000;
+------------------+-----------------+--------+
| nama_nasabah     | jenis_transaksi | jumlah |
+------------------+-----------------+--------+
| Sutopo           | kredit          |  20000 |
| Maryati          | kredit          |  20000 |
| Suparman         | kredit          |  20000 |
| Kartika Padmasari | kredit         |  20000 |
| Budi Eko Prayogo | kredit          |  20000 |
| Satria Eka Utama | kredit          |  20000 |
| Sari Murti       | kredit          |  20000 |
| Canka Lokananta  | kredit          |  20000 |
| Budi Utomo       | kredit          |  20000 |
| danu             | kredit          |  20000 |
| aziss            | kredit          |  20000 |
| banu             | kredit          |  20000 |
| aji              | kredit          |  20000 |
| iqbal            | kredit          |  20000 |
| hanan            | kredit          |  20000 |
| ilyas            | kredit          |  20000 |
| ahluzain         | kredit          |  20000 |
| amri             | kredit          |  20000 |
| riza             | kredit          |  20000 |
| Sutopo           | debit           |  20000 |
| Maryati          | debit           |  20000 |
| Suparman         | debit           |  20000 |
| Kartika Padmasari | debit          |  20000 |
| Budi Eko Prayogo | debit           |  20000 |
| Satria Eka Utama | debit           |  20000 |
| Sari Murti       | debit           |  20000 |
| Canka Lokananta  | debit           |  20000 |
| Budi Utomo       | debit           |  20000 |
```

5. Tampilkan nama nasabah dan alamat 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 |
| Suparman     | jl. Hassanudin 81    |
+--------------+----------------------+
2 rows in set (0.006 sec)
```

6. Menampilkan table nasabah dimana nama nasabah "iqbal"dan alamat nasabah "wonogiri"

```
Command Prompt - mysql  -u root -p                                                   —    □    ✕
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nama_nasabah = 'iqbal'AND alamat_nasabah = 'wonogiri';
+------------+--------------+----------------+
| id_nasabah | nama_nasabah | alamat_nasabah |
+------------+--------------+----------------+
|         15 | iqbal        | wonogiri       |
+------------+--------------+----------------+
1 row in set (0.001 sec)
```

7. Jika kita ingin menampilkan dimana kondisi jenis transaki 'debit', tanggal '2009-11-19' dan jumlah '100000'

```
Command Prompt - mysql -u root -p                                                — □ ×
MariaDB [perbankan]> SELECT * FROM transaksi WHERE jenis_transaksi = 'debit' AND tanggal = '2009-11-19' AND jumlah = '
100000';
+-------------+--------------+---------------+-----------------+---------------------+--------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal             | jumlah |
+-------------+--------------+---------------+-----------------+---------------------+--------+
|          10 |            4 |           107 | debit           | 2009-11-19 00:00:00 | 100000 |
|          11 |            2 |           103 | debit           | 2009-11-19 00:00:00 | 100000 |
+-------------+--------------+---------------+-----------------+---------------------+--------+
2 rows in set (0.026 sec)
```

8. Menampilkan table nasabah dengan 2 baris setelah melewati 2 baris pertama

```
Command Prompt - mysql -u root -p                                                — □ ×
MariaDB [perbankan]> SELECT * FROM nasabah ORDER BY id_nasabah LIMIT 2 OFFSET 2;
+------------+------------------+------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah   |
+------------+------------------+------------------+
|          3 | Suparman         | jl. Hassanudin 81 |
|          4 | Kartika Padmasari | jl Manggis 15    |
+------------+------------------+------------------+
2 rows in set (0.000 sec)
```

9. Menampilkan table cabang bank dengan kondisi STRING DAN NOT NULL

```
Command Prompt - mysql -u root -p                                                — □ ×
MariaDB [perbankan]> SELECT * FROM cabang_bank WHERE kode_cabang IS NOT NULL AND nama_cabang LIKE '%Bank Rut Unit Sura
karta%';
+-------------+--------------------+---------------------+
| kode_cabang | nama_cabang        | alamat_cabang       |
+-------------+--------------------+---------------------+
| BRUS        | Bank Rut Unit Surakarta | jl Slemet riyadi 18 |
+-------------+--------------------+---------------------+
1 row in set (0.003 sec)
```

10. Menampilkan table nasbah dengan pencarian string dan null menggunakan klausa order, limit dan offset

```
Command Prompt - mysql -u root -p                                                — □ ×
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nama_nasabah LIKE '%Suparman%' OR alamat_nasabah IS NOT NULL ORDER BY
nama_nasabah LIMIT 5 OFFSET 5;
+------------+------------------+------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah   |
+------------+------------------+------------------+
|          5 | Budi Eko Prayogo | jl Kantil 30     |
|         10 | Budi Utomo       | jl Merak 22      |
|          9 | Canka Lokananta  | jl Tidar 86      |
|         11 | danu             | sragen           |
|         16 | hanan            | sragen           |
+------------+------------------+------------------+
5 rows in set (0.000 sec)

MariaDB [perbankan]>
```