Nama   : Oscar Satria Utama

NIM   : L200180001
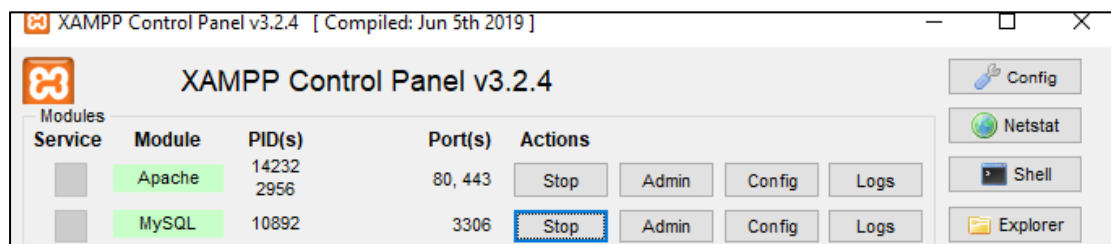
Kelas   : A

LAPORAN PRAKTIKUM

SISTEM BASIS DATA

MODUL 10

D. Langkah Praktikum

1. Jalankan XAMPP Control Panel.

2. Jalankan server Apache dan MySQL.

3. Buka Command Prompt dan login sebagai root ke MySQL.

4. Pilih database perbankan.

5. Tampilkan detail nasabah yang pernah melakukan transaksi kredit.

```
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nasabah.id_nasabah IN(SELECT DIST
NCT
    -> transaksi.id_nasabahFK FROM transaksi WHERE jenis_transaksi='kredit');
+------------+-------------------+------------------------+
| id_nasabah | nama_nasabah      | alamat_nasabah         |
+------------+-------------------+------------------------+
|          1 | Sutopo            | Jl.Jenderal 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 31           |
|          9 | Canka Lokanata    | Jl.Tidar 86            |
+------------+-------------------+------------------------+
6 rows in set (0.048 sec)
```

6. Tampilkan detail nasabah yang tidak pernah melakukan segala transaksi.

```
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nasabah.id_nasabah NOT IN(SELECT
ISTINCT
    -> transaksi.id_nasabahFK FROM transaksi);
+------------+---------------------+--------------------+
| id_nasabah | nama_nasabah        | alamat_nasabah     |
+------------+---------------------+--------------------+
|          6 | Satria Eka Jaya     | Jl.Slamet Riyadi 45 |
|          8 | Sari Murti          | Jl.Pangandaran 11  |
|         11 | Hadid Aldio Indratama | Wonogiri         |
+------------+---------------------+--------------------+
3 rows in set (0.001 sec)
```

7. Tampilkan cabang bank yang memiliki nilai rata-rata saldo paling besar untuk seluruh rekening.

```
MariaDB [perbankan]> SELECT cabang_bank.kode_cabang, cabang_bank.nama_cabang, AVG(r
ekening.saldo) as
    -> Rata2 FROM cabang_bank, rekening
    -> WHERE cabang_bank.kode_cabang=rekening.kode_cabangFK
    -> GROUP BY cabang_bank.kode_cabang HAVING Rata2>=ALL(SELECT AVG(saldo) FROM
    -> rekening GROUP BY kode_cabangFK);
+-------------+----------------------+--------------+
| kode_cabang | nama_cabang          | Rata2        |
+-------------+----------------------+--------------+
| BRUB        | Bank Rut Unit Boyolali | 2500000.0000 |
+-------------+----------------------+--------------+
1 row in set (0.021 sec)
```

8. Tampilkan data transaksi yang melibatkan jumlah uang lebih besar dari rata-rata nilai keseluruhan.

```
MariaDB [perbankan]> SELECT * FROM transaksi WHERE jumlah>(SELECT AVG(jumlah)FROM
ransaksi);
+-------------+-------------+--------------+----------------+-------------------
---+--------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal
    | jumlah |
+-------------+-------------+--------------+----------------+-------------------
---+--------+
|           6 |           1 |          104 | kredit          | 2009-11-15 00:00
00 | 200000 |
|           7 |           9 |          110 | kredit          | 2009-11-15 00:00
00 | 150000 |
|          10 |           4 |          107 | debit           | 2009-11-19 00:00
00 | 100000 |
|          11 |           2 |          103 | debit           | 2009-11-19 00:00
00 | 100000 |
|          13 |           4 |          107 | kredit          | 2009-11-20 00:00
00 | 200000 |
|          15 |           1 |          104 | kredit          | 2009-11-22 00:00
```

```
00 | 100000 |
|          19 |          10 |          108 | debit           | 2009-11-26 00:00
00 | 100000 |
|          21 |           2 |          103 | kredit          | 2009-11-28 00:00
00 | 200000 |
|          22 |           3 |          105 | kredit          | 2009-11-28 00:00
00 | 100000 |
|          27 |           2 |          103 | kredit          | 2009-12-05 00:00
00 | 100000 |
|          28 |           5 |          102 | kredit          | 2009-12-05 00:00
00 | 200000 |
|          29 |           7 |          109 | debit           | 2009-12-05 00:00
00 | 100000 |
+-------------+-------------+--------------+----------------+-------------------
---+--------+
12 rows in set (0.002 sec)
```