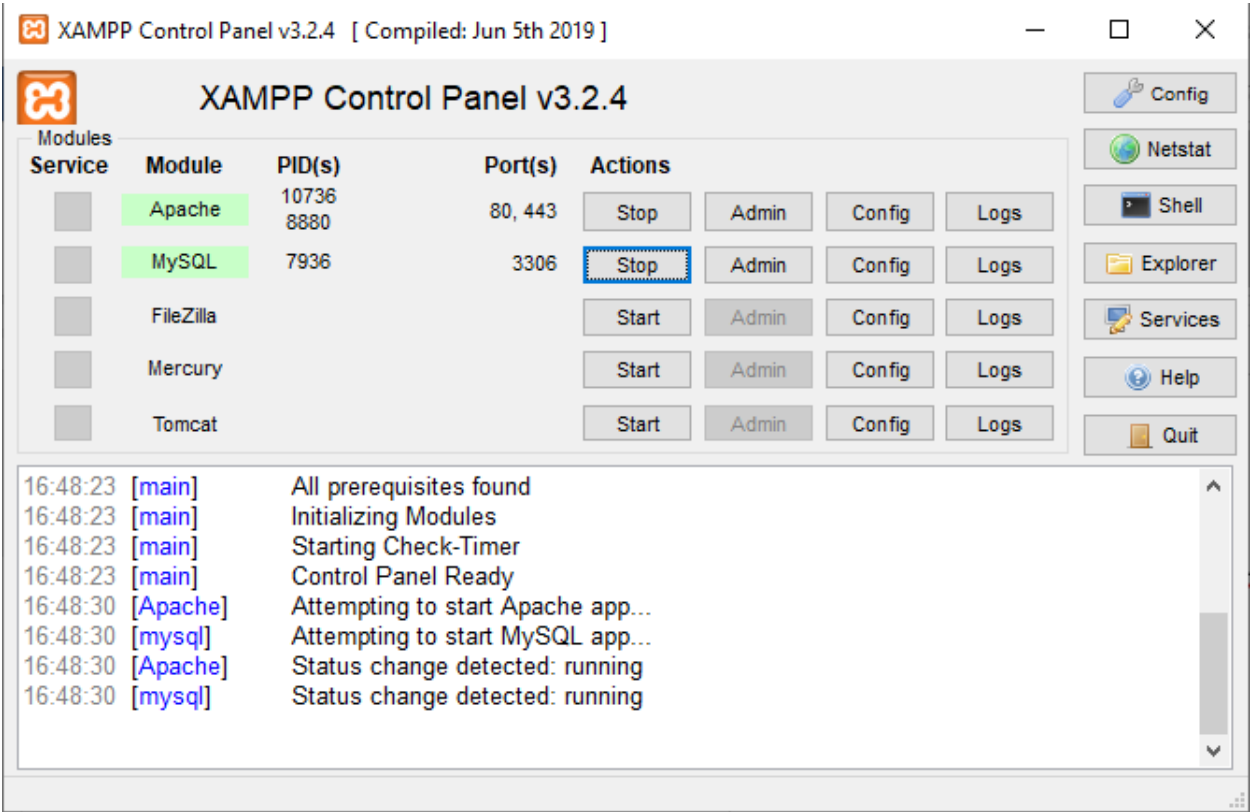


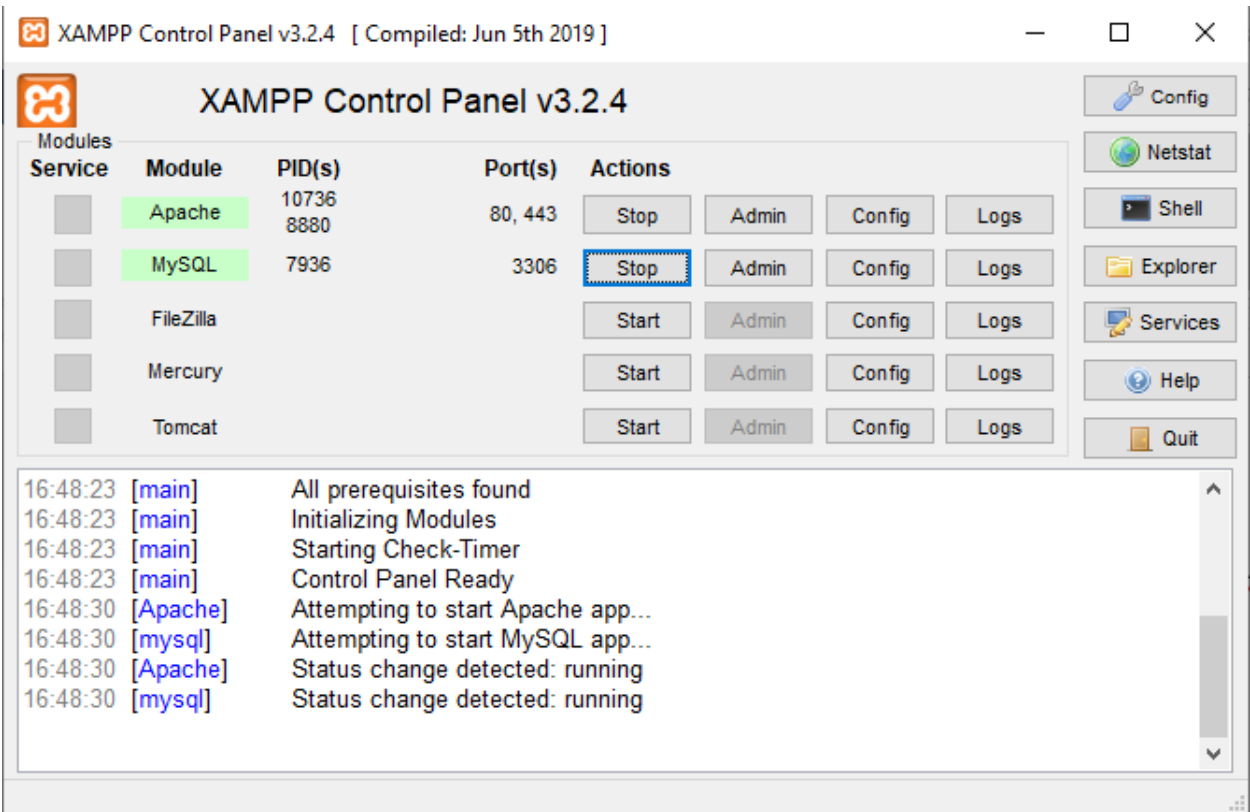
Nama : Aulia Yogatama  
NIM : L200180081  
Kelas : D

Kegiatan

1. Jalankan XAMPP Control panel



2. Jalankan server Apache dan MySQL



3. Buka CMD dan Login ke root MySQL

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\User>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 8
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]>
```

4. Use perbankan

```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\User>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 8
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]>
```

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

```
Command Prompt - mysql -u root -p
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 nama_cabang, alamat_cabang FROM cabang_bank ORDER BY nama_cabang;
+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Rut Unit Aceh | Jl. Taman Siswa |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Cangakan | Jl. Stadion Selatan 45 |
| Bank Rut Unit Kalimantan Selatan | Jl. Pattimura 2 |
| Bank Rut Unit Klaten | Jl. Suparman 23 |
| Bank Rut Unit Malang | Jl. Ahmad Yani 30 |
| Bank Rut Unit Pacitan | Jl. Hasanuddin 30 |
| Bank Rut Unit Palang Karaya | Jl. Sepakat 2 |
| Bank Rut Unit Pandeyan | Jl. Tentara Pelajar 2 |
| Bank Rut Unit Sulawesi Selatan | Jl. Diponegoro 35 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Tawangmangu | Jl. Raya Solo Tawangmangu |
| Bank Rut Unit Tegal Asri | Jl. Sepat 2 |
| Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
15 rows in set (0.218 sec)

MariaDB [perbankan]>
```

6. Tampilkan no rekening, pin, jumlah saldo dan diurutkan

Command Prompt - mysql -u root -p

15 rows in set (0.218 sec)

MariaDB [perbankan]> SELECT no\_rekening, pin, saldo FROM rekening ORDER BY saldo;

no_rekening	pin	saldo
109	9999	0
111	4321	150000
113	8888	255000
114	7890	300000
112	0123	300000
102	2222	350000
115	2345	400000
116	3456	400000
117	4567	500000
101	1111	500000
110	1234	550000
118	2434	600000
103	3333	750000
104	4444	900000
107	7777	1000000
105	5555	2000000
106	6666	3000000
108	0000	5000000
119	2435	6000000
120	2436	6500000
121	2437	6500000
122	2535	6500000
123	2536	6500000

Tugas

Nomor 1

Command Prompt - mysql -u root -p

23 rows in set (0.017 sec)

MariaDB [perbankan]> SELECT nama\_nasabah, alamat\_nasabah FROM nasabah ORDER BY nama\_nasabah;

nama_nasabah	alamat_nasabah
Aulia	Jl. Merapi 2
Brian	Jl. Merapi 2
Brifan	Jl. Merapi 2
Budi Eko Prayogo	Jl. Kantil 30
Budi Murtono	Jl. Merak 22
Canka Lokananta	Jl. Tidar 86
Fadli	Jl. Lawu 3
Fahim	Jl. Lawu 1
Fahim	Jl. Lawu 2
Falik	Jl. Merapi 1
Kartika Padmasari	Jl. Manggis 15
Maryati	Jl. MT.Haryono 31
Sari Murti	Jl. Pangadaran 11
Satria Eka Jaya	Jl. Slamet Riyadi 45
Superman	Jl. Hasanudin 81
Sutopo	Jl. Jendral Sudirman12
Tama	Jl. Bromo 2
Yoga	Papahan
Zidan	Jl. Kelud 1

19 rows in set (0.026 sec)

MariaDB [perbankan]> \_

Nomor 2

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

19 rows in set (0.026 sec)

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          | 50000  |
| kredit          | 40000  |
| kredit          | 60000  |
| kredit          | 80000  |
| kredit          | 100000 |
| kredit          | 50000  |
| kredit          | 55000  |
+-----+-----+
20 rows in set (0.072 sec)

MariaDB [perbankan]>
```

Nomor 3

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

+-----+-----+-----+-----+-----+-----+
| 43 | 4 | 101 | kredit | 2009-12-13 00:00:00 | 60000 |
| 44 | 10 | 108 | kredit | 2009-12-15 00:00:00 | 80000 |
| 45 | 11 | 114 | kredit | 2009-12-15 00:00:00 | 100000 |
| 46 | 14 | 117 | debit | 2009-12-15 00:00:00 | 500000 |
| 47 | 5 | 102 | kredit | 2009-12-15 00:00:00 | 50000 |
| 48 | 8 | 111 | kredit | 2009-12-16 00:00:00 | 55000 |
| 49 | 15 | 117 | debit | 2009-12-16 00:00:00 | 550000 |
| 50 | 20 | 122 | debit | 2009-12-16 00:00:00 | 600000 |
+-----+-----+-----+-----+-----+-----+
50 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal="2009-11-21" ORDER BY jumlah;
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| debit          | 40000  |
+-----+-----+
1 row in set (0.000 sec)

MariaDB [perbankan]>
```

Nomor 4

```
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=20000;
```

nama_nasabah	jenis_transaksi	jumlah
Sutopo	kredit	20000
Maryati	kredit	20000
Suparman	kredit	20000
Budi Eko Prayogo	kredit	20000
Satria Eka Jaya	kredit	20000
Sari Murti	kredit	20000
Canka Lokananta	kredit	20000
Budi Murtono	kredit	20000
Yoga	kredit	20000
Aulia	kredit	20000
Tama	kredit	20000
Zidan	kredit	20000
Brifan	kredit	20000
Brian	kredit	20000
Falik	kredit	20000
Fahim	kredit	20000
Fahim	kredit	20000
Fadli	kredit	20000
Sutopo	debit	20000
Maryati	debit	20000
Suparman	debit	20000
Kartika Padmasari	debit	20000
Satria Eka Jaya	debit	20000
Sari Murti	debit	20000
Canka Lokananta	debit	20000
Budi Murtono	debit	20000
Yoga	debit	20000
Aulia	debit	20000
Tama	debit	20000
Zidan	debit	20000
Brifan	debit	20000
Brian	debit	20000
Falik	debit	20000
Fahim	debit	20000
Fahim	debit	20000
Fadli	debit	20000
Sutopo	Kredit	20000

Nomor 5

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

90 rows in set (0.035 sec)

MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE "Su%";
```

nama_nasabah	alamat_nasabah
Sutopo	Jl. Jendral Sudirman12
Suparman	Jl. Hasanudin 81

2 rows in set (0.015 sec)

MariaDB [perbankan]> \_

Nomor 6

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT id_nasabah, no_rekening FROM nasabah, rekening WHERE id_nasabah='3' AND saldo=500000;
+-----+-----+
| id_nasabah | no_rekening |
+-----+-----+
|          3 |          101 |
|          3 |          117 |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]>
```

Nomor 7

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT id_nasabah, no_rekening, pin FROM nasabah, rekening WHERE id_nasabah='3' AND saldo=500000 AND pin=1111;
+-----+-----+-----+
| id_nasabah | no_rekening | pin |
+-----+-----+-----+
|          3 |          101 | 1111 |
+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [perbankan]> _
```

Nomor 8

```

Command Prompt - mysql -u root -p

MariaDB [perbankan]> SELECT id_nasabah, no_rekening, pin FROM nasabah, rekening WHERE id_nasabah='3' AND saldo=500000 AND pin=1111;

+-----+-----+-----+
| id_nasabah | no_rekening | pin |
+-----+-----+-----+
| 3 | 101 | 1111 |
+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [perbankan]> SELECT * FROM cabang_bank ORDER BY kode_cabang LIMIT 4 OFFSET 2;

+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUC | Bank Rut Unit Cangakan | Jl. Stadion Selatan 45 |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUKS | Bank Rut Unit Kalimantan Selatan | Jl. Pattimura 2 |
| BRUMA | Bank Rut Unit Malang | Jl. Ahmad Yani 30 |
+-----+-----+-----+
4 rows in set (0.014 sec)

MariaDB [perbankan]>
```

Activate Windows  
Go to Settings to activate Windows.

Nomor 9

```

Command Prompt - mysql -u root -p

MariaDB [perbankan]> SELECT * FROM transaksi WHERE jumlah IS NULL;
Empty set (0.017 sec)

MariaDB [perbankan]>
```

Nomor 10

```
cmd Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * FROM nasabah WHERE alamat_nasabah IS NOT NULL ORDER BY id_nasabah LIMIT 3 OFFSET 3;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
+-----+-----+-----+
3 rows in set (0.000 sec)

MariaDB [perbankan]>
```

Nomor 11

- 1. Tampilkan jenis\_transaksi , jumlah, tanggal dimana jenis transaksi adalah debit

```
cmd Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE jenis_transaksi="debit";
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| debit | 50000 |
| debit | 40000 |
| debit | 50000 |
| debit | 20000 |
| debit | 100000 |
| debit | 100000 |
| debit | 50000 |
| debit | 40000 |
| debit | 50000 |
| debit | 50000 |
| debit | 100000 |
| debit | 20000 |
| debit | 50000 |
| debit | 40000 |
| debit | 50000 |
| debit | 100000 |
| debit | 20000 |
| debit | 30000 |
| debit | 35000 |
| debit | 35000 |
| debit | 350000 |
| debit | 350000 |
| debit | 400000 |
| debit | 450000 |
| debit | 500000 |
| debit | 550000 |
| debit | 550000 |
| debit | 500000 |
| debit | 550000 |
| debit | 600000 |
+-----+-----+
30 rows in set (0.001 sec)

MariaDB [perbankan]>
```

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2. Tampilkan jenis transaksi dan no transaksi yang melakukan transaksi tanggal 2009-12-6 berdasarkan no transaksi

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT jenis_transaksi, no_transaksi FROM transaksi WHERE tanggal="2009-12-6" ORDER BY no_transaksi;
+-----+-----+
| jenis_transaksi | no_transaksi |
+-----+-----+
| debit          | 30          |
+-----+-----+
1 row in set (0.001 sec)

MariaDB [perbankan]>
```

3. Tampilkan dari tabel rekening dimana saldo lebih dari atau sama denganRp 20.000!

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * FROM rekening WHERE saldo>=20000;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUS | 7777 | 1000000 |
| 108 | BRUB | 0000 | 5000000 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
| 114 | BRUP | 7890 | 300000 |
| 115 | BRUT | 2345 | 400000 |
| 116 | BRUTA | 3456 | 400000 |
| 117 | BRUTA | 4567 | 500000 |
| 118 | BRUC | 2434 | 600000 |
| 119 | BRUC | 2435 | 6000000 |
| 120 | BRUMA | 2436 | 6500000 |
| 121 | BRUMA | 2437 | 6500000 |
| 122 | BRUSS | 2535 | 6500000 |
| 123 | BRUSS | 2536 | 6500000 |
+-----+-----+-----+-----+
22 rows in set (0.015 sec)

MariaDB [perbankan]>
```

4. Tampilkan 2 baris nasabah setelah melewati 2 baris pertama diurutkanberdasrkan id nasabah!

```
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 | Superman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
+-----+-----+-----+
2 rows in set (0.000 sec)

MariaDB [perbankan]> _
```

Activate Windows  
Go to Settings to activate Windows.

5. Tampilkan dari tabel transaksiyang melakukan transaksi pada tanggal 22 November 2009 dan diurutkan berdasarkan nomor rekening!

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * FROM transaksi WHERE tanggal="2009-11-22" ORDER BY no_rekeningFK;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal | jumlah |
+-----+-----+-----+-----+-----+-----+
| 16 | 4 | 101 | Kredit | 2009-11-22 00:00:00 | 20000 |
| 17 | 2 | 103 | debit | 2009-11-22 00:00:00 | 50000 |
| 15 | 1 | 104 | Kredit | 2009-11-22 00:00:00 | 100000 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [perbankan]>
```

Activate Windows  
Go to Settings to activate Windows.