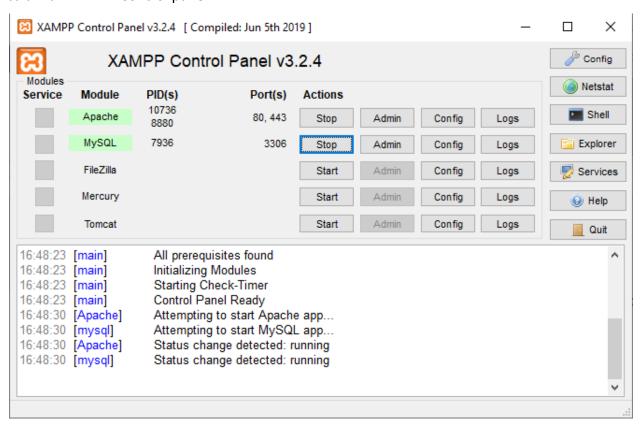
Nama: Hafidh Putra Andhika

NIM : L200180085

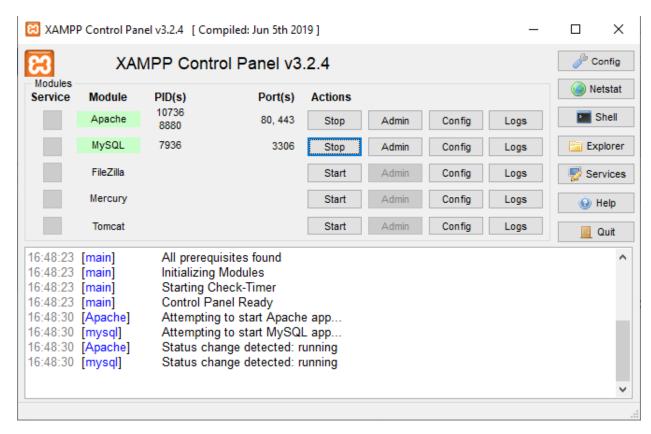
Kelas : D

Kegiatan

1. Jalankan XAMPP Control panel



2. Jalankan server Apache dan MySQL



3. Buka CMD

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

C:\Users\Hafidh>cd/

C:\cd xampp

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)]>
```

dan Login ke root MySQL

4. Use perbankan

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                  ×
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Hafidh>cd/
C:\>cd xampp
C:\xampp>cd mysql
C:\xampp\mysql>cd 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

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                                 ariaDB [perbankan]> show tables;
 Tables_in_perbankan
 cabang_bank
 nasabah
 nasabah_has_rekening
 rekening
transaksi
rows in set (0.046 sec)
lariaDB [perbankan]> select nama_cabang, alamat_cabang from cabang_bank order by nama_cabang;
nama_cabang
                                      alamat cabang
                                       Jl. Suparman 23
Bank Rakyat Unit Klaten
 Bank Rakyat Unit Yogyakarta
Bank Rut Unit Boyolali
                                       Jl. Anggrek 21
                                        Jl. Ahmad Yani 45
                                       Jl. Moh Yamin 141
Jl. Gonilan 51
Jl. Jebres Raya 21
Jl. Tentara Pelajar 101
Jl. Makam Haji 111
 Bank Rut Unit Delanggu
 Bank Rut Unit Gonilan
Bank Rut Unit Jebres
 Bank Rut Unit Kiringan
Bank Rut Unit Makam Haji
 Bank Rut Unit Menco
                                        Jl. Menco Raya 1
Jl. Tentara Penajar 11
 Bank Rut Unit Pandeyan
 Bank Rut Unit Papahan
Bank Rut Unit Sukoharjo
                                        Jl. Papahan 212
                                        Jl. Veteran 1
 Bank Rut Unit Surakarta
                                             Slamet Riyadi 18
```

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

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ×
                                                                                                                                                                           | Jl. A. Yani No.23
   | Bank Rut Unit Wonogiri
15 rows in set (0.182 sec)
 MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
        no_rekening | pin | saldo
                                                                                            8585
9472
0000
                                                                                                                                          5000000
5000000
5000000
                                                          123 |
119 |
108 |
106 |
122 |
107 |
117 |
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115 |
101 |
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                                                                                                                                          3000000
                                                                                               2807
5555
7777
7356
4444
                                                                                                                                          2000000
                                                                                                                                          2000000
                                                                                                                                          1000000
                                                                                                                                                900000
                                                                                                                                                 900000
                                                                                            3333
7490
1234
1531
1111
2222
0123
                                                                                                                                               750000
710000
550000
500000
                                                                                                                                                 500000
                                                                                                                                                 350000
                                                                                                                                                 300000
                                                                                               8888
                                                                                                                                                 255000
                                                                                                                                                 150000
                                                                                              5891
6161
                                                                                                                                                 105000
                                                                                                                                               100000
100000
100000
80000
                                                                                            8427
6969
0179
9999
24 rows in set (0.015 sec)
 MariaDB [perbankan]>
```

Tugas

Nomor 1

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                                                             \times
               120
                                     100000
                                     100000
                        6969
                       0179
                                      80000
               109
                       9999
24 rows in set (0.015 sec)
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah;
  nama_nasabah
                               alamat_nasabah
  Al Amin
Alif
                                 Sukoharjo
                                 Sukoharjo
                                Sukoharjo
Jebres
Boyolali
Jl. Kantil 30
Jl. Merak 22
Jl. Tidar 86
Pandeyan
jl. Manggis 15
Gatak
Jl. MT. Harvono
  Anang
Andhika
Budi Eko Prayogo
Budi Murtono
Canka Lokananta
  Hafidh
  Kartika Padmasari
  Malik
  Maryati
Muchfatan
                                 Jl. MT. Haryono
                                 Gentan
Gonilan
  Muhammad
  Prasetyo
                                 Surakarta
                                Surakarta
Kiringan
Sukoharjo
Jl. Pangandaran 11
Jl. Slamet Riyadi 45
Jl. Hasanudin 81
Jl. Jendral Sudirman 12
  Putra
Rahmadhan
  Sari Murti
Satria Eka Jaya
   Suparman
  Sutopo
20 rows in set (0.026 sec)
MariaDB [perbankan]>
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                        ×
  Satria Eka Jaya
                       Jl. Hasanudin 81
  Suparman
                       Jl. Jendral Sudirman 12
 Sutopo
20 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
                      200000
150000
 kredit
  kredit
  kredit
                       50000
  kredit
                      200000
  kredit
                      100000
                       20000
50000
  kredit
  kredit
                      200000
 kredit
  kredit
  kredit
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                      200000
  kredit
                      200000
  kredit
  kredit
                      300000
  kredit
                      400000
  kredit
                      500000
  kredit
                      600000
                      700000
800000
  kredit
 kredit
 kredit
                      900000
 kredit
                     1000000
22 rows in set (0.073 sec)
MariaDB [perbankan]>
```

```
×
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
 jenis_transaksi | jumlah
  kredit
                       20000
  kredit
                       30000
  kredit
                     200000
  kredit
                     150000
  kredit
                      50000
  kredit
                     200000
  kredit
                     100000
  kredit
                       20000
                       50000
  kredit
  kredit
                     200000
                     100000
 kredit
                     100000
  kredit
                     200000
  kredit
  kredit
                     200000
  kredit
                      300000
  kredit
                     400000
  kredit
                     500000
                     600000
700000
  kredit
 kredit
 kredit
                     800000
  kredit
                     900000
                    1000000
 kredit
22 rows in set (0.073 sec)
MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi where tanggal="2009-21-11" order by jumlah;
 jenis_transaksi | jumlah
 debit
                  700000
 row in set, 1 warning (0.009 sec)
MariaDB [perbankan]>
```

C:\WINDOWS\system32\	cmd.exe - mysql -u root -p)						- [
	select nama_nasab	ah, jenis_t	transaksi,	jumlah fro	m nasabah,	transaksi u	where nasabah.	id_nasabah	n-tra
i.id_nasabahFK an									
ama_nasabah	+ jenis_transaksi	+ jumlah	İ						
Sutopo	+ debit	+ 50000	 						
Maryati	debit	50000							
Kartika Padmasari	debit	50000							
Budi Eko Prayogo	debit	50000							
Satria Eka Jaya	debit	50000							
Sari Murti	debit	50000							
Budi Murtono	debit	50000							
Canka Lokananta	debit	50000							
Hafidh	debit	50000							
Putra	debit	50000							
Andhika	debit	50000							
Muchfatan	debit	50000							
Rahmadhan	debit	50000							
Anang	debit	50000							
Prasetyo	debit	50000							
Malik	debit	50000							
Muhammad	debit	50000							
Alif	debit	50000							
Al Amin	debit	50000							
Sutopo	debit	40000							
Suparman	debit	40000							
Kartika Padmasari		40000							
Budi Eko Prayogo	debit	40000							
Satria Eka Jaya	debit	40000							
Sari Murti	debit	40000							
Budi Murtono	debit	40000							
Canka Lokananta	debit	40000							
Hafidh	debit	40000							
Putra	debit	40000							
Andhika	debit	40000							
Muchfatan	debit	40000							

Hafidh	kredit	900000
Putra	kredit	900000
Andhika	kredit	900000
Muchfatan	kredit	900000
Rahmadhan	kredit	900000
Anang	kredit	900000
Prasetyo	kredit	i 900000 i
Malik	kredit	900000
Muhammad	kredit	i 900000 i
Alif	kredit	900000
Al Amin	kredit	900000
Sutopo	kredit	1000000
Maryati	kredit	1000000
Suparman	kredit	1000000
Kartika Padmasari	kredit	i 1000000 i
Budi Eko Prayogo	kredit	1000000
Satria Eka Jaya	kredit	1000000
Sari Murti	kredit	1000000
Budi Murtono	kredit	1000000
Canka Lokananta	kredit	1000000
Hafidh	kredit	1000000
Putra	kredit	1000000
Andhika	kredit	1000000
Muchfatan	kredit	1000000
Rahmadhan	kredit	1000000
Anang	kredit	1000000
Prasetyo	kredit	1000000
Malik	kredit	1000000
Muhammad	kredit	1000000
Alif	kredit	1000000
Al Amin	kredit	1000000

```
CAWINDOWS/system32/cmd.exe-mysql-u-root-p

ERROR 1054 (42522): Unknown column 'id_nasbah' in 'field list'
MariaDB [perbankan] > select id_nasabah, no_rekening from nasabah, rekening where id_nasabah='3' and saldo=500000;

| id_nasabah | no_rekening |
| 3 | 101 |
| 3 | 115 |
| 2 rows in set (0.002 sec)

MariaDB [perbankan] >
```

```
Select C:\WINDOWS\system32\cmd.exe-mysql-uroot-p

ERROR 1054 (42522): Unknown column 'id_nasbah' in 'field list'
MariaDB [perbankan]> select id_nasabah, no_rekening from nasabah, rekening where id_nasabah='3' and saldo=500000;

| id_nasabah | no_rekening |
| 3 | 101 |
| 3 | 115 |
| 2 rows in set (0.002 sec)

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 (0.012 sec)

MariaDB [perbankan]>
```

```
Select C:\WINDOWS\system32\cmd.exe-mysql-uroot-p

AmariaDB [perbankan]> select*from cabang_bank order by kode_cabang limit 4 offset 2;

| kode_cabang | nama_cabang | alamat_cabang |
| BRUG | Bank Rut Unit Gonilan | Jl. Gonilan 51 |
| BRUJ | Bank Rut Unit Jebres | Jl. Jebres Raya 21 |
| BRUK | Bank Rakyat Unit Klaten | Jl. Suparman 23 |
| BRUK | Bank Rut Unit Kiringan | Jl. Tentara Pelajar 101 |
| 4 rows in set (0.053 sec)

MariaDB [perbankan]>
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                       kode_cabang | nama_cabang
                                                 alamat_cabang
  BRUG
                   Bank Rut Unit Gonilan
                                                  Jl. Gonilan 51
                                                  Jl. Jebres Raya 21
Jl. Suparman 23
  BRUJ
                   Bank Rut Unit Jebres
                  Bank Rakyat Unit Klaten
Bank Rut Unit Kiringan
  BRUKR
                                                  Jl. Tentara Pelajar 101
  rows in set (0.053 sec)
MariaDB [perbankan]> select*from transaksi where jumlah is null;
Empty set (0.010 sec)
MariaDB [perbankan]>
```

```
X
 C:\WINDOWS\system32\cmd.exe - mysql -u root -p
  kode_cabang | nama_cabang
                                                alamat_cabang
                  Bank Rut Unit Gonilan
Bank Rut Unit Jebres
  BRUG
                                                  Jl. Gonilan 51
                                                  Jl. Jebres Raya 21
Jl. Suparman 23
  BRUJ
  BRUK
                  Bank Rakyat Unit Klaten
                  Bank Rut Unit Kiringan
                                                  Jl. Tentara Pelajar 101
  rows in set (0.053 sec)
MariaDB [perbankan]> select*from transaksi where jumlah is null;
Empty set (0.010 sec)
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
                                         jl. Manggis 15
Jl. Kantil 30
Jl. Slamet Riyadi 45
                 Kartika Padmasari
                 Budi Eko Prayogo
Satria Eka Jaya
 rows in set (0.000 sec)
MariaDB [perbankan]>
```

1. Tampilkan jenis_transaksi , jumlah, tanggal dimana jenis transaksi adalah debit

```
×
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                                              3 rows in set (0.000 sec)
MariaDB [perbankan]> select jenis_transaksi, jumlah, tanggal from transaksi where jenis_transaksi="debit";
 jenis_transaksi | jumlah | tanggal
                                         2009-11-10 00:00:00
                                        2009-11-10 00:00:00:00
2009-11-13 00:00:00
2009-11-16 00:00:00
2009-11-19 00:00:00
2009-11-19 00:00:00
2009-11-19 00:00:00
  debit
                              40000
  debit
                              50000
  debit
                             20000
                            100000
100000
  debit
  debit
  debit
                              50000
                                         2009-11-21 00:00:00
2009-11-22 00:00:00
  debit
                              40000
  debit
                              50000
  debit
                              50000
                                         2009-11-25 00:00:00
  debit
                             100000
                                         2009-11-26 00:00:00
                             20000
50000
                                         2009-11-30 00:00:00
2009-12-01 00:00:00
  debit
  debit
  debit
debit
                                         2009-12-02 00:00:00
2009-12-04 00:00:00
2009-12-05 00:00:00
                             40000
                             50000
  debit
                            100000
                                         2009-12-06 00:00:00
  debit
                             20000
                            100000
  debit
                                         2020-01-01 00:00:00
  debit
                                         2020-01-02 00:00:00
  debit
                             300000
                                         2020-01-03 00:00:00
  debit
                             400000
                                         2020-01-04 00:00:00
                                        2020-01-05 00:00:00
2020-01-06 00:00:00
2020-01-07 00:00:00
0000-00-00 00:00:00
2020-01-09 00:00:00
  debit
                            500000
                            600000
  debit
  debit
                            700000
  debit
                            700000
  debit
                            900000
                                         2020-01-10 00:00:00
2020-01-10 00:00:00
                           1000000
  debit
                           1000000
  debit
```

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

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                  2009-11-19 00:00:00
 debit
                         50000
 debit
                         40000
                                  2009-11-21 00:00:00
 debit
                         50000
                                  2009-11-22 00:00:00
 debit
                         50000
                                  2009-11-25 00:00:00
                       100000
                                  2009-11-26 00:00:00
  debit
                         20000
                                  2009-11-30 00:00:00
 debit
                         50000
                                  2009-12-01 00:00:00
                                  2009-12-02 00:00:00
2009-12-04 00:00:00
2009-12-05 00:00:00
 debit
                        40000
 debit
                        50000
 debit
                       100000
                                  2009-12-06 00:00:00
 debit
                        20000
                                  2020-01-01 00:00:00
2020-01-02 00:00:00
 debit
                       100000
 debit
                       200000
 debit
                       300000
                                  2020-01-03 00:00:00
                       400000
                                  2020-01-04 00:00:00
  debit
                       500000
                                  2020-01-05 00:00:00
 debit
                       600000
                                  2020-01-06 00:00:00
                                  2020-01-07 00:00:00
0000-00-00 00:00:00
2020-01-09 00:00:00
 debit
                       700000
 debit
                       700000
 debit
                       900000
                                  2020-01-10 00:00:00
 debit
                      1000000
                      1000000
                                  2020-01-10 00:00:00
 debit
28 rows in set (0.000 sec)
MariaDB [perbankan]> select jenis_transaksi, jumlah, no_transaksi from transaksi where tanggal="2009-12-6" order by no_t
 jenis_transaksi | jumlah | no_transaksi |
 debit
                       20000
                                            30 I
l row in set (0.000 sec)
MariaDB [perbankan]>
```

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

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                         ×
1 row in set (0.000 sec)
MariaDB [perbankan]> select*from rekening where saldo>=20000;
 no_rekening | kode_cabangFK | pin
                                        | saldo
                BRUS
                                          500000
          101
          102
                BRUS
                                  2222
                                           350000
          103
                BRUS
                                          750000
          104
                BRUM
                                  4444
                                          900000
                                         2000000
                BRUM
                                  6666
                                          3000000
          106
                BRUS
          107
                BRUS
                                         1000000
                BRUB
                                         5000000
          108
                                  0000
          110
                BRUY
                                          550000
                                          150000
                BRUK
                BRUK
                BRUY
                                  8888
                                          255000
                BRUDL
                                          100000
                BRUG
                                          500000
          116
117
                                           80000
                BRUY
                BRUSH
                                          900000
                                  7490
                BRUB
                                          710000
          119
                BRUU
                                         5000000
                                  8427
                                          100000
          120
                BRUP
          121
                BRUP
                                  5891
                                          105000
          122
                 BRUSH
                                  2807
                                         2000000
                 BRUY
          124
                BRUB
                                  6969
                                          100000
23 rows in set (0.000 sec)
MariaDB [perbankan]>
```

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

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
                                                                                                                                     350000
750000
                  BRUS
                  BRUS
           104
                  BRUM
                                     4444
                                               900000
           105
106
                                     5555
6666
                                              2000000
                  BRUM
                  BRUS
                                              3000000
                                     7777
0000
           107
108
110
111
112
113
114
115
116
117
118
119
120
                  BRUS
                                              1000000
                  BRUB
                                              5000000
                  BRUY
                                               550000
                  BRUK
                                               150000
                  BRUK
                                     0123
                                               300000
                  BRUY
                                     8888
                  BRUDL
                                               100000
                  BRUG
                                               500000
                                     0179
7356
7490
9472
                  BRUY
                                               80000
                  BRUSH
                                               900000
                                              710000
                 BRUB
                  BRUU
                                              5000000
                  BRUP
                                     8427
                                              100000
           121
122
                  BRUP
                                               105000
                                     5891
                  BRUSH
                                     2807
                  BRUY
                  BRUB
                                     6969
                                               100000
23 rows in set (0.000 sec)
MariaDB [perbankan]> select*from nasabah order by id_nasabah limit 2 offset 2;
  id nasabah | nama nasabah
                                       alamat_nasabah
                 Suparman
                                         Jl. Hasanudin 81
                 Kartika Padmasari
                                        jl. Manggis 15
 rows in set (0.000 sec)
MariaDB [perbankan]>
```

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

