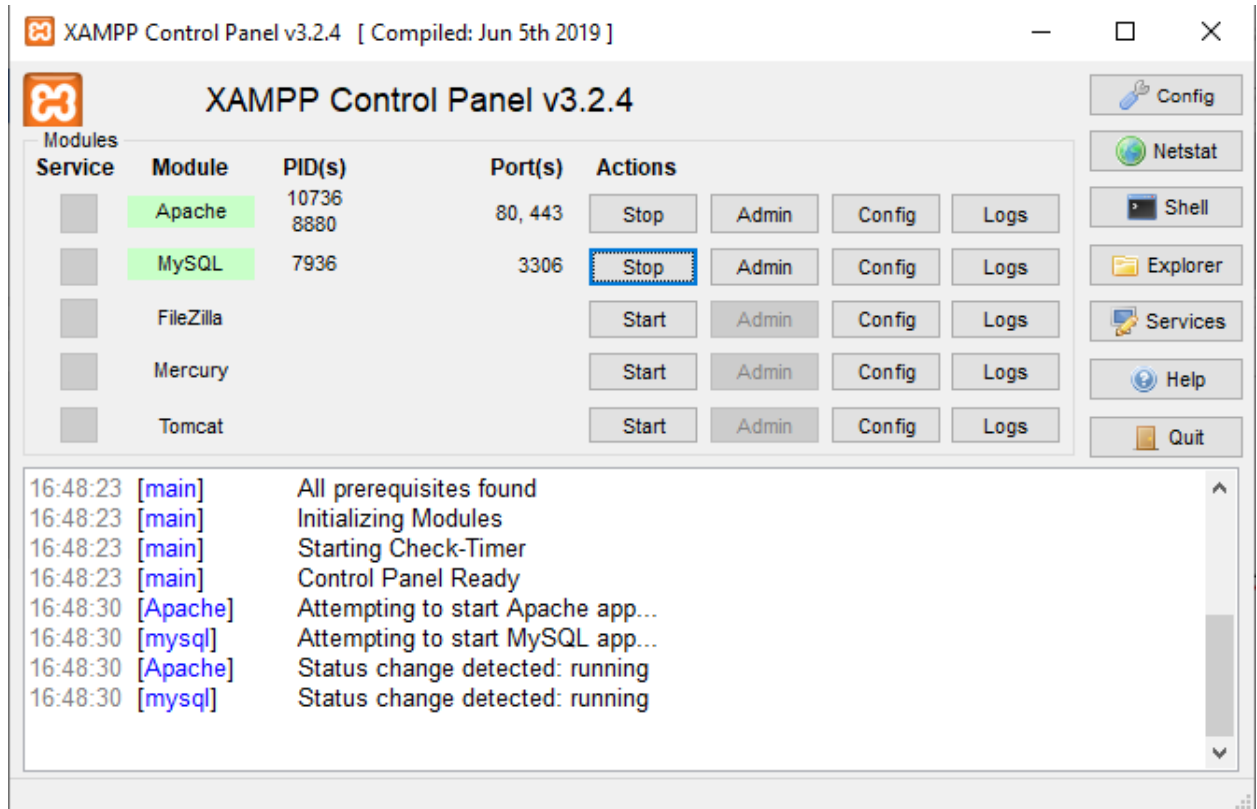Nama   : Hafidh Putra Andhika

NIM   : L200180085
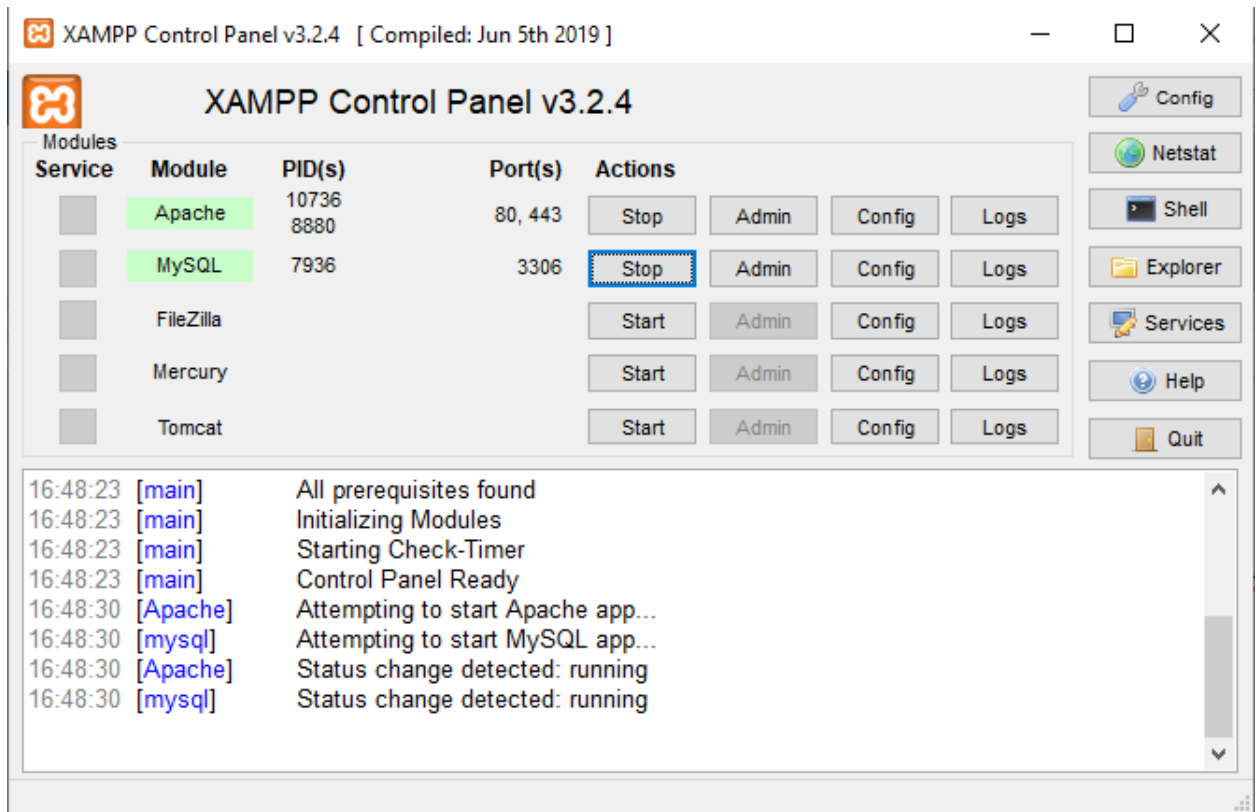
Kelas   : D

Kegiatan

1. Jalankan XAMPP Control panel

2. Jalankan server Apache dan MySQL

3. Buka CMD

dan Login ke root MySQL

4. Use perbankan

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

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

```
| Bank Rut Unit Wonogiri          | Jl. A. Yani No.23       |
+---------------------------------+-------------------------+
15 rows in set (0.182 sec)

MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
+-------------+------+----------+
| no_rekening | pin  | saldo    |
+-------------+------+----------+
|         123 | 8585 |  5000000 |
|         119 | 9472 |  5000000 |
|         108 | 0000 |  5000000 |
|         106 | 6666 |  3000000 |
|         122 | 2807 |  2000000 |
|         105 | 5555 |  2000000 |
|         107 | 7777 |  1000000 |
|         117 | 7356 |   900000 |
|         104 | 4444 |   900000 |
|         103 | 3333 |   750000 |
|         118 | 7490 |   710000 |
|         110 | 1234 |   550000 |
|         115 | 1531 |   500000 |
|         101 | 1111 |   500000 |
|         102 | 2222 |   350000 |
|         112 | 0123 |   300000 |
|         113 | 8888 |   255000 |
|         111 | 4321 |   150000 |
|         121 | 5891 |   105000 |
|         114 | 6161 |   100000 |
|         120 | 8427 |   100000 |
|         124 | 6969 |   100000 |
|         116 | 0179 |    80000 |
|         109 | 9999 |        0 |
+-------------+------+----------+
24 rows in set (0.015 sec)

MariaDB [perbankan]>
```

Tugas

Nomor 1


```
|     114 | 6161 |  100000 |
|     120 | 8427 |  100000 |
|     124 | 6969 |  100000 |
|     116 | 0179 |   80000 |
|     109 | 9999 |       0 |
+---------+------+---------+
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            | Sukoharjo               |
| Alif               | Sukoharjo               |
| Anang              | Jebres                  |
| Andhika            | Boyolali                |
| Budi Eko Prayogo   | Jl. Kantil 30           |
| Budi Murtono       | Jl. Merak 22            |
| Canka Lokananta    | Jl. Tidar 86            |
| Hafidh             | Pandeyan                |
| Kartika Padmasari  | jl. Manggis 15          |
| Malik              | Gatak                   |
| Maryati            | Jl. MT. Haryono         |
| Muchfatan          | Gentan                  |
| Muhammad           | Gonilan                 |
| Prasetyo           | Surakarta               |
| Putra              | Kiringan                |
| Rahmadhan          | Sukoharjo               |
| Sari Murti         | Jl. Pangandaran 11      |
| Satria Eka Jaya    | Jl. Slamet Riyadi 45    |
| Suparman           | Jl. Hasanudin 81        |
| Sutopo             | Jl. Jendral Sudirman 12 |
+--------------------+-------------------------+
20 rows in set (0.026 sec)

MariaDB [perbankan]>
```

Nomor 2

```
| Satria Eka Jaya    | Jl. Slamet Riyadi 45    |
| Suparman           | Jl. Hasanudin 81        |
| Sutopo             | Jl. Jendral Sudirman 12 |
+--------------------+-------------------------+
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 |
| kredit          |  200000 |
| kredit          |  150000 |
| kredit          |   50000 |
| kredit          |  200000 |
| kredit          |  100000 |
| kredit          |   20000 |
| kredit          |   50000 |
| kredit          |  200000 |
| kredit          |  100000 |
| kredit          |  100000 |
| kredit          |  200000 |
| kredit          |  200000 |
| kredit          |  300000 |
| kredit          |  400000 |
| kredit          |  500000 |
| kredit          |  600000 |
| kredit          |  700000 |
| kredit          |  800000 |
| kredit          |  900000 |
| kredit          | 1000000 |
+-----------------+---------+
22 rows in set (0.073 sec)

MariaDB [perbankan]>
```

Nomor 3

```
| 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          |  200000 |
| kredit          |  300000 |
| kredit          |  400000 |
| kredit          |  500000 |
| kredit          |  600000 |
| kredit          |  700000 |
| kredit          |  800000 |
| kredit          |  900000 |
| kredit          | 1000000 |
+-----------------+---------+
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 |
+-----------------+--------+
1 row in set, 1 warning (0.009 sec)

MariaDB [perbankan]>
```

Nomor 4

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p                                    —    □    ✕

MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, trans
aksi where nasabah.id_nasabah-transaksi.id_nasabahFK and jumlah-20000;
+---------------------+-----------------+----------+
| nama_nasabah        | jenis_transaksi | jumlah   |
+---------------------+-----------------+----------+
| 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   | debit           |    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 |
```

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p                                    —    □    ✕

| Hafidh              | kredit          |   900000 |
| Putra               | kredit          |   900000 |
| Andhika             | kredit          |   900000 |
| Muchfatan           | kredit          |   900000 |
| Rahmadhan           | kredit          |   900000 |
| Anang               | kredit          |   900000 |
| Prasetyo            | kredit          |   900000 |
| Malik               | kredit          |   900000 |
| Muhammad            | kredit          |   900000 |
| Alif                | kredit          |   900000 |
| Al Amin             | kredit          |   900000 |
| Sutopo              | kredit          |  1000000 |
| Maryati             | kredit          |  1000000 |
| Suparman            | kredit          |  1000000 |
| Kartika Padmasari   | kredit          |  1000000 |
| 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 |
+---------------------+-----------------+----------+
875 rows in set (0.015 sec)

MariaDB [perbankan]>
```

Nomor 5

```
C:\WINDOWS\system32\cmd.exe - 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. Hasanudin 81      |
+--------------+-----------------------+
2 rows in set (0.000 sec)

MariaDB [perbankan]>
```

Nomor 6

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p                                               —    □    ✕
ERROR 1054 (42S22): 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]>
```

Nomor 7

```
Select C:\WINDOWS\system32\cmd.exe - mysql  -u root -p                                        —    □    ✕
ERROR 1054 (42S22): 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 an
d pin=1111;
+------------+-------------+------+
| id_nasabah | no_rekening | pin  |
+------------+-------------+------+
|          3 |         101 | 1111 |
+------------+-------------+------+
1 row in set (0.012 sec)

MariaDB [perbankan]>
```

Nomor 8


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

MariaDB [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        |
| BRUKR       | Bank Rut Unit Kiringan   | Jl. Tentara Pelajar 101 |
+-------------+--------------------------+------------------------+
4 rows in set (0.053 sec)

MariaDB [perbankan]>
```

Nomor 9

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p                                      —    □    ×
| 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        |
| BRUKR       | Bank Rut Unit Kiringan | Jl. Tentara Pelajar 101|
+-------------+------------------------+------------------------+
4 rows in set (0.053 sec)

MariaDB [perbankan]> select*from transaksi where jumlah is null;
Empty set (0.010 sec)

MariaDB [perbankan]>
```

Nomor 10

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p                                      —    □    ×
| 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        |
| BRUKR       | Bank Rut Unit Kiringan | Jl. Tentara Pelajar 101|
+-------------+------------------------+------------------------+
4 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       |
+------------+------------------+----------------------+
|          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


```
+------------+-----------------+--------------------+
3 rows in set (0.000 sec)

MariaDB [perbankan]> select jenis_transaksi, jumlah, tanggal from transaksi where jenis_transaksi="debit";
+-----------------+---------+--------------------+
| jenis_transaksi | jumlah  | tanggal            |
+-----------------+---------+--------------------+
| debit           |   50000 | 2009-11-10 00:00:00 |
| debit           |   40000 | 2009-11-10 00:00:00 |
| debit           |   50000 | 2009-11-13 00:00:00 |
| debit           |   20000 | 2009-11-16 00:00:00 |
| debit           |  100000 | 2009-11-19 00:00:00 |
| debit           |  100000 | 2009-11-19 00:00:00 |
| debit           |   50000 | 2009-11-19 00:00:00 |
| debit           |   40000 | 2009-11-21 00:00:00 |
| debit           |   50000 | 2009-11-22 00:00:00 |
| debit           |   50000 | 2009-11-25 00:00:00 |
| debit           |  100000 | 2009-11-26 00:00:00 |
| debit           |   20000 | 2009-11-30 00:00:00 |
| debit           |   50000 | 2009-12-01 00:00:00 |
| debit           |   40000 | 2009-12-02 00:00:00 |
| debit           |   50000 | 2009-12-04 00:00:00 |
| debit           |  100000 | 2009-12-05 00:00:00 |
| debit           |   20000 | 2009-12-06 00:00:00 |
| debit           |  100000 | 2020-01-01 00:00:00 |
| debit           |  200000 | 2020-01-02 00:00:00 |
| debit           |  300000 | 2020-01-03 00:00:00 |
| debit           |  400000 | 2020-01-04 00:00:00 |
| debit           |  500000 | 2020-01-05 00:00:00 |
| debit           |  600000 | 2020-01-06 00:00:00 |
| debit           |  700000 | 2020-01-07 00:00:00 |
| debit           |  700000 | 0000-00-00 00:00:00 |
| debit           |  900000 | 2020-01-09 00:00:00 |
| debit           | 1000000 | 2020-01-10 00:00:00 |
| debit           | 1000000 | 2020-01-10 00:00:00 |
+-----------------+---------+--------------------+
```

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

```
debit              |    100000 | 2009-11-19 00:00:00 |
debit              |     50000 | 2009-11-19 00:00:00 |
debit              |     40000 | 2009-11-21 00:00:00 |
debit              |     50000 | 2009-11-22 00:00:00 |
debit              |     50000 | 2009-11-25 00:00:00 |
debit              |    100000 | 2009-11-26 00:00:00 |
debit              |     20000 | 2009-11-30 00:00:00 |
debit              |     50000 | 2009-12-01 00:00:00 |
debit              |     40000 | 2009-12-02 00:00:00 |
debit              |     50000 | 2009-12-04 00:00:00 |
debit              |    100000 | 2009-12-05 00:00:00 |
debit              |     20000 | 2009-12-06 00:00:00 |
debit              |    100000 | 2020-01-01 00:00:00 |
debit              |    200000 | 2020-01-02 00:00:00 |
debit              |    300000 | 2020-01-03 00:00:00 |
debit              |    400000 | 2020-01-04 00:00:00 |
debit              |    500000 | 2020-01-05 00:00:00 |
debit              |    600000 | 2020-01-06 00:00:00 |
debit              |    700000 | 2020-01-07 00:00:00 |
debit              |    700000 | 0000-00-00 00:00:00 |
debit              |    900000 | 2020-01-09 00:00:00 |
debit              |   1000000 | 2020-01-10 00:00:00 |
debit              |   1000000 | 2020-01-10 00:00:00 |
+-----------------+---------+---------------------+
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
ransaksi;
+-----------------+--------+--------------+
| jenis_transaksi | jumlah | no_transaksi |
+-----------------+--------+--------------+
| debit           |  20000 |           30 |
+-----------------+--------+--------------+
1 row in set (0.000 sec)

MariaDB [perbankan]>
```

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

```
1 row in set (0.000 sec)

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 | BRUDL        | 6161 |  100000 |
|        115 | BRUG         | 1531 |  500000 |
|        116 | BRUY         | 0179 |   80000 |
|        117 | BRUSH        | 7356 |  900000 |
|        118 | BRUB         | 7490 |  710000 |
|        119 | BRUU         | 9472 | 5000000 |
|        120 | BRUP         | 8427 |  100000 |
|        121 | BRUP         | 5891 |  105000 |
|        122 | BRUSH        | 2807 | 2000000 |
|        123 | BRUY         | 8585 | 5000000 |
|        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                                                    —    □    ×
|        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 | BRUDL          | 6161 |  100000 |
|        115 | BRUG           | 1531 |  500000 |
|        116 | BRUY           | 0179 |   80000 |
|        117 | BRUSH          | 7356 |  900000 |
|        118 | BRUB           | 7490 |  710000 |
|        119 | BRUU           | 9472 | 5000000 |
|        120 | BRUP           | 8427 |  100000 |
|        121 | BRUP           | 5891 |  105000 |
|        122 | BRUSH          | 2807 | 2000000 |
|        123 | BRUY           | 8585 | 5000000 |
|        124 | 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   |
+------------+------------------+------------------+
|          3 | Suparman         | Jl. Hasanudin 81 |
|          4 | Kartika Padmasari | jl. Manggis 15   |
+------------+------------------+------------------+
2 rows in set (0.000 sec)

MariaDB [perbankan]>
```

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

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p                              —    □    ✕

ERROR 1054 (42S22): Unknown column 'n0_rekeningFK' in 'order clause'
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 (0.000 sec)

MariaDB [perbankan]>
```