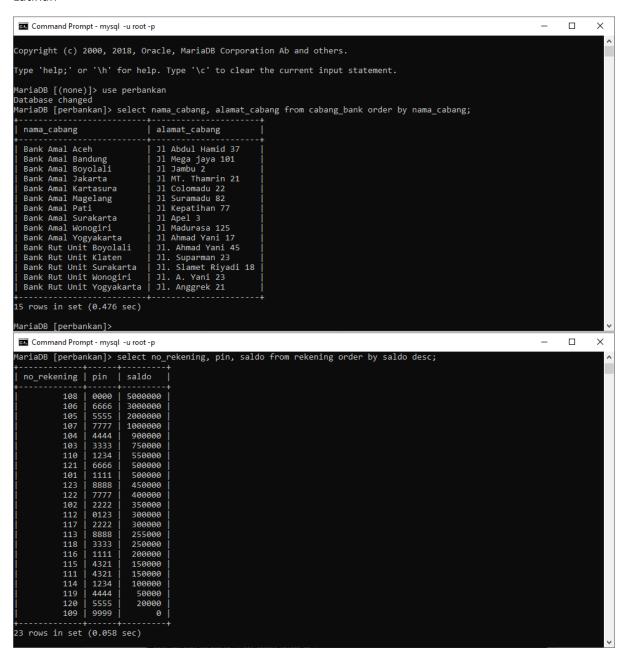
## Praktikum Sistem Basis Data Modul 6

## Latihan



## Tugas

1.

```
Command Prompt - mysql -u root -p
23 rows in set (0.058 sec)
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah;
  nama_nasabah
                                        | alamat_nasabah
                                            Jl Suramadu 102
Jl Hasanudin 25
                                           JI Hasanudin 25
JI Hasanudin 25
JI Tendean 5
JI Marwan 63
JI. Kantil 30
JI. Kantil 30
JI. Merak 22
JI. Tidar 86
JI Bandung 1
JI Kemangi 32
JI Ahmad Yani 10
JI. Manggis 15
JI. MT. Haryono 31
JI. Pangandaran 11
JI. Slamet Riyadi 45
JI Kariadi 9
JI. Hasanudin 81
JI. Jendral Sudirman 12
JI Merak 43
JI Honggowongso 21
   Andika
  Bakhtiar
Budi Eko Prayogo
Budi Murtono
  Canka Lokananta
Faela
   Fandira
  Hanan
Kartika Padmasari
  Maryati
Sari Murti
Satria Eka Jaya
Satrio
Suparman
   Sutopo
Tri
   Wahyu
.
19 rows in set (0.111 sec)
MariaDB [perbankan]>
```

2.

```
Command Prompt - mysql -u root -p
                                                                                                                                                  \times
 MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi where jenis_transaksi = 'Kredit';
  jenis_transaksi | jumlah |
  kredit
                           20000
                         30000
200000
150000
  kredit
  kredit
kredit
  kredit
                           50000
                          200000
100000
  kredit
kredit
                           20000
50000
  kredit
  kredit
  kredit
                          200000
  kredit
kredit
                          100000
100000
   kredit
  kredit
kredit
                          50000
200000
  kredit
                          100000
                          75000
250000
  kredit
kredit
                          150000
50000
  kredit
  kredit
kredit
  kredit
                          250000
22 rows in set (0.156 sec)
MariaDB [perbankan]>
```

3.

```
X
Command Prompt - mysql -u root -p
  kredit
                        200000
100000
  kredit
  kredit
                         20000
  kredit
kredit
                        50000
200000
  kredit
  kredit
kredit
                       100000
200000
  kredit
                         50000
                       200000
100000
  kredit
kredit
  kredit
                         75000
                        250000
  kredit
kredit
                        150000
                       50000
200000
  kredit
  kredit
  kredit
                        250000
22 rows in set (0.156 sec)
MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi where tanggal = '2009-11-21';
  jenis_transaksi | jumlah
 row in set (0.055 sec)
MariaDB [perbankan]>
```

4.

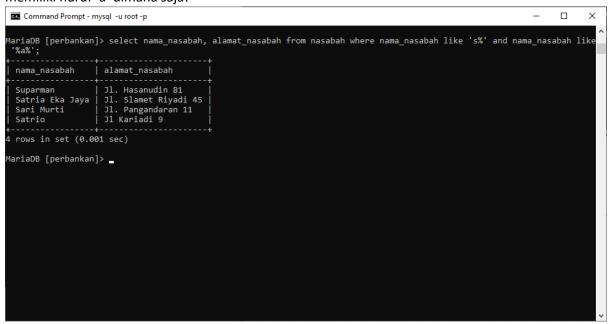
```
Command Prompt - mysql -u root -p
                                                                                                                                                                  \times
MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where jumlah = 20000
 nama_nasabah
                           | jenis_transaksi | jumlah
 Sutopo
Maryati
                              kredit
                                                          20000
                               kredit
                                                          20000
20000
20000
20000
20000
 Suparman
Kartika Padmasari
                              kredit
kredit
 Budi Eko Prayogo
                              kredit
 Satria Eka Jaya
Sari Murti
                              kredit
kredit
 Canka Lokananta
Budi Murtono
Andika
                                                          20000
20000
20000
                              kredit
                              kredit
kredit
                                                          20000
20000
20000
 Wahyu
                              kredit
 Hanan
                              kredit
                              kredit
                                                          20000
20000
20000
 Andi
                              kredit
 Fandira
                              kredit
                              kredit
                                                          20000
20000
 Satrio
                              kredit
kredit
 Tri
Bakhtiar
                              kredit
debit
                                                          20000
 Sutopo
Maryati
                                                          20000
                              debit
                                                          20000
 Suparman
Kartika Padmasari
                              debit
debit
                                                          20000
20000
 Budi Eko Prayogo
Satria Eka Jaya
Sari Murti
                              debit
                                                          20000
                              debit
debit
                                                          20000
20000
```

| Combon I also mande   |   |   |   |  |
|---|---|---|---|--|
| Canka Lokananta   | debit   | 20000   |   |  |
| Budi Murtono  | debit   | 20000   |   |  |
| Andika  | debit   | 20000   |   |  |
| Wahyu   | debit<br>debit  | 20000   |   |  |
| Hanan<br>Arifan   | debit   | 20000   |   |  |
| Aritan<br>Andi  | debit   | 20000   |   |  |
| Fandira   | debit   | 20000   |   |  |
| Faela   | debit   | 20000   |   |  |
| Satrio  | debit   | 20000   |   |  |
| Tri I   | debit   | 20000   |   |  |
| Bakhtiar  | debit   | 20000   |   |  |
| Sutopo  | kredit  | 20000   |   |  |
| Maryati   | kredit  | 20000   |   |  |
| Suparman  | kredit  | 20000   |   |  |
| Kartika Padmasari   | kredit  | 20000   |   |  |
| Budi Eko Prayogo  | kredit  | 20000   |   |  |
| Satria Eka Jaya   | kredit  | 20000   |   |  |
| Sari Murti  | kredit  | 20000   |   |  |
| Canka Lokananta   | kredit  | 20000   |   |  |
| Budi Murtono  | kredit  | 20000   |   |  |
| Andika  | kredit  | 20000   |   |  |
| Wahyu   | kredit  | 20000   |   |  |
| Hanan   | kredit  | 20000   |   |  |
| Arifan  | kredit  | 20000   |   |  |
| Andi  | kredit  | 20000   |   |  |
| Fandira   | kredit  | 20000   |   |  |
| Faela   | kredit  | 20000   |   |  |
| Satrio  | kredit  | 20000   |   |  |
| Tri   | kredit  | 20000   |   |  |
| Command Prompt - myse   | · · · · · · · · · · · · · · · · · · ·   |   | _ |  |
| Arifan  | debit   | 20000   |   |  |
|   |   | 20000   |   |  |
| Andi  | debit   |   |   |  |
| Fandira   | debit   | 20000   |   |  |
| Fandira<br>Faela  | debit<br>debit  | 20000<br>20000  |   |  |
| Fandira<br>Faela<br>Satrio  | debit<br>debit<br>debit   | 20000<br>20000<br>20000   |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri   | debit<br>debit<br>debit<br>debit  | 20000<br>20000<br>20000<br>20000  |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar   | debit<br>debit<br>debit<br>debit<br>debit   | 20000<br>  20000<br>  20000<br>  20000<br>  20000   |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar<br>Sutopo   | debit<br>debit<br>debit<br>debit<br>debit<br>debit  | 20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000  |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar<br>Sutopo<br>Maryati  | debit<br>debit<br>debit<br>debit<br>debit<br>debit<br>debit   | 20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000  |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar<br>Sutopo<br>Maryati<br>Suparman  | debit<br>debit<br>debit<br>debit<br>debit<br>debit<br>debit<br>debit  | 20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000   |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar<br>Sutopo<br>Maryati<br>Suparman<br>Kartika Padmasari   | debit<br>debit<br>debit<br>debit<br>debit<br>debit<br>debit<br>debit<br>debit   | 20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000  |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar<br>Sutopo<br>Maryati<br>Suparman<br>Kantika Padmasari<br>Budi Eko Prayogo   | debit   | 20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000<br>  20000  |   |  |
| Fandira<br>Faela<br>Satrio<br>Tri<br>Bakhtiar<br>Sutopo<br>Maryati<br>Suparman<br>Kartika Padmasari<br>Budi Eko Prayogo<br>Satria Eka Jaya  | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000                                     |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti   | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000                                     |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Sari Auya Sari Murti Canka Lokananta   | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000                            |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono  | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000                   |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika   | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000          |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu   | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000 |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Amhyu Hanan  | debit   | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                                     |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan  | debit   | 20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000<br>20000 |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi                                   | debit   | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                                     |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi Fandira                           | debit   | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                                     |   |  |
| Andi Fandira Faela Satrio Tri Bakhtiar Sutopo Manyati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi Fandira Faela Satrio         | debit   | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                         |   |  |
| Fandira Faela Satrio Tri Bakhtiar Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi Fandira Faela Satrio                             | debit   | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                   |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi Fandira Fandira                   | debit   | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                         |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Maryati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi Fandira Faela Satrio Tri Bakhtiar | debit | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                   |   |  |
| Fandira Faela Satrio Tri Bakhtiar Sutopo Manyati Suparman Kartika Padmasari Budi Eko Prayogo Satria Eka Jaya Sari Murti Canka Lokananta Budi Murtono Andika Wahyu Hanan Arifan Andi Fandira Faela Satrio Tri          | debit | 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000                   |   |  |

5.

```
Command Prompt - mysql -u root -p
                                                      20000
20000
20000
  Kartika Padmasari
 Budi Eko Prayogo
Satria Eka Jaya
Sari Murti
Canka Lokananta
Budi Murtono
                            debit
                            debit
                            debit
                                                      20000
20000
                            debit
                            debit
                            debit
debit
  Andika
                                                      20000
20000
  Wahyu
Hanan
                            debit
                                                      20000
 Arifan
Andi
Fandira
                            debit
debit
                                                      20000
20000
                             debit
                                                      20000
 Faela
Satrio
                            debit
debit
                                                      20000
                                                      20000
                            debit
                                                      20000
  Bakhtiar
                            debit
                                                      20000
95 rows in set (0.151 sec)
ariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'su%';
  nama_nasabah | alamat_nasabah
                      Jl. Jendral Sudirman 12
Jl. Hasanudin 81
  Sutopo
  Suparman
  rows in set (0.064 sec)
MariaDB [perbankan]>
```

6. Tampilkan nama nasabah dan alamat nasabah yang memiliki nama huruf depan 's' dan memiliki huruf 'a' dimana saja!



7. Tampilkan nama nasabah dan alamat nasabah yang memiliki nama huruf depan 'b', memiliki huruf 'i' dimana saja dan memiliki huruf belakang 'o'!

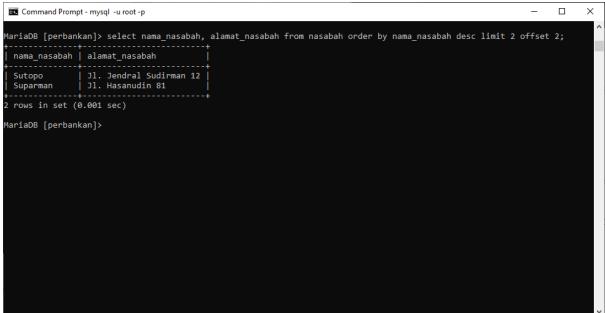
```
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'b%' and nama_nasabah like '%o';

'%i%' and nama_nasabah like '%o';

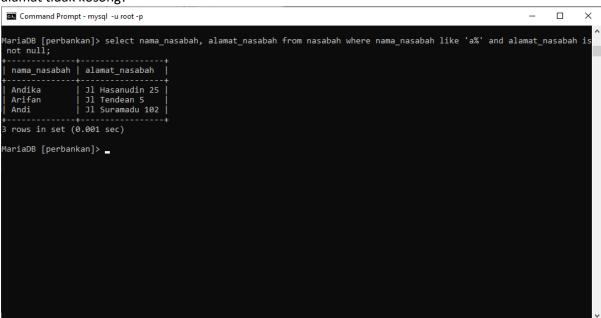
| nama_nasabah | alamat_nasabah |
| Budi Eko Prayogo | Jl. Kantil 30 |
| Budi Murtono | Jl. Merak 22 |
| rows in set (0.059 sec)

MariaDB [perbankan]>
```

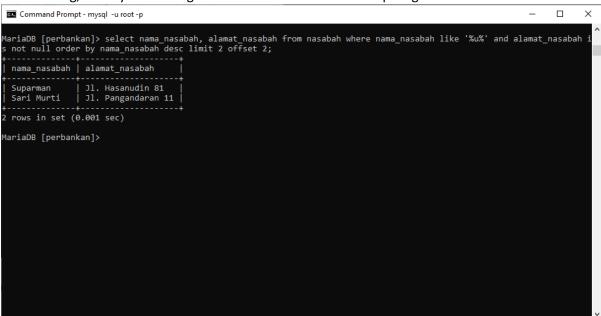
8. Tampilkan nama nasabah dan alamat nasabah sebanyak 2 buah garis dari bawah setelah 2 nama paling akhir!



9. Tampilkan nama nasabah dan alamat nasabah yang memiliki nama huruf depan 'a' dan alamat tidak kosong!



10. Tampilkan nama nasabah dan alamat nasabah yang memiliki nama huruf 'u' dan alamat tidak kosong, sebanyak 2 buah garis dari bawah setelah 2 nama paling akhir!



11. Tampilkan pencarian nama\_nasabah dengan string "Su"!

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

MariaDB [perbankan]> select nama_nasabah from nasabah where nama_nasabah like 'Su%';

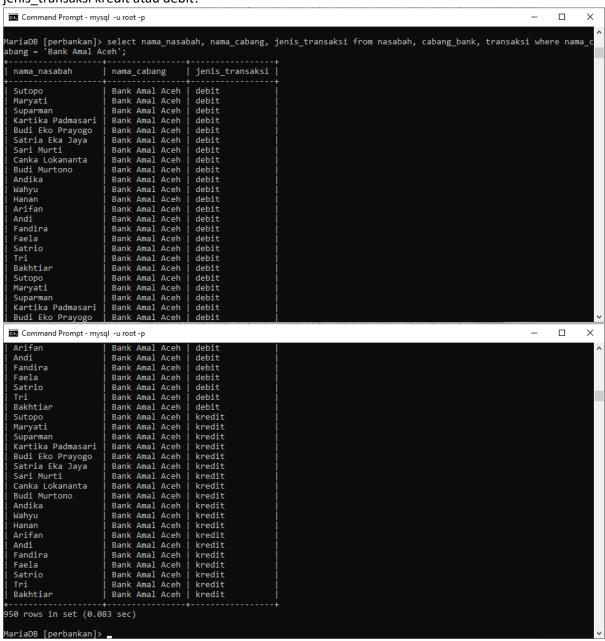
| nama_nasabah |
| Sutopo |
| Suparman |
| 2 rows in set (0.000 sec)

MariaDB [perbankan]>
```

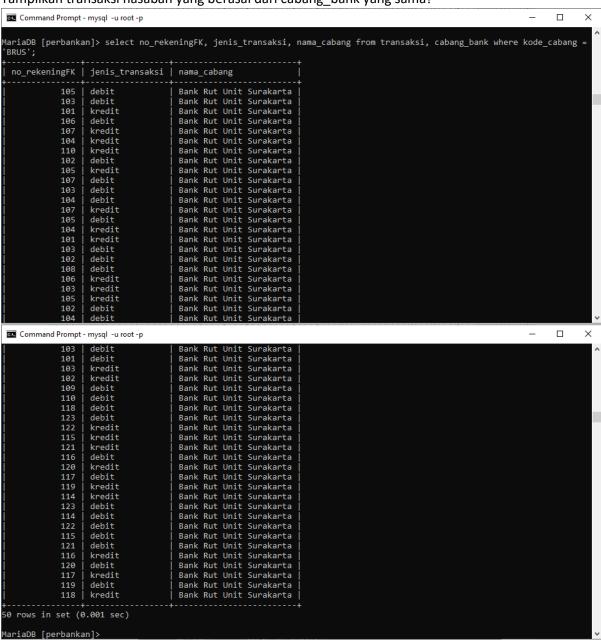
12. Tampilkan nama\_nasabah yang berasal dari satu cabang\_bank yang sama!

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah, nama_cabang from nasabah, cabang_bank where nama_cabang = 'Bank Amal Aceh';
  nama_nasabah
                                        | nama_cabang
                                            Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
  Sutopo
Maryati
  Suparman
Kartika Padmasari
 Rartika Padmasari
Budi Eko Prayogo
Satria Eka Jaya
Sari Murti
Canka Lokananta
Budi Murtono
Andika
                                            Bank Amal Aceh
                                            Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
Bank Amal Aceh
  Wahyu
Hanan
  Andi
Fandira
  Satrio
  Bakhtiar
                                            Bank Amal Aceh
19 rows in set (0.074 sec)
MariaDB [perbankan]>
```

13. Tampilkan nama\_nasabah yang berasal dari satu cabang\_bank yang sama, dan memiliki jenis\_transaksi kredit atau debit!



14. Tampilkan transaksi nasabah yang berasal dari cabang\_bank yang sama!



15. Tampilkan transaksi nasabah yang berasal dari cabang\_bank boyolali dan surakarta!

## Jika menggunakan 'atau '

