

MODUL 6

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Mata Kuliah : E / Praktikum Sistem Basis Data

Kegiatan

```
XAMPP for Windows - mysql -u root -p
Setting environment for using XAMPP for Windows.
ASUS@LAPTOP-6K5IO2L1 e:\xampp
# 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 perbank
Database changed
MariaDB [perbank]> SELECT nama_cabang, alamat_cabang FROM cabang_bank ORDER BY nama_cabang;
+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Rut Unit Aceh | Jl. Iskandar Muda 24 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Cilacap | Jl. Soedirman 11 |
| Bank Rut Unit Demak | Jl. Pattimura 35 |
| Bank Rut Unit Ende | Jl. Diponegoro 10 |
| Bank Rut Unit Gunung Kidul | Jl. Sutomo 17 |
| Bank Rut Unit Jakarta | Jl. Martha Christina 73 |
| Bank Rut Unit Klaten | Jl. Superman 23 |
| Bank Rut Unit Lampung | Jl. Teuku Umar 26 |
| Bank Rut Unit Palembang | Jl. Achmad Soebardjo 65 |
| Bank Rut Unit Rembang | Jl. Kartini 07 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Tawangmangu | Jl. Cut Nyak Dien 91 |
| Bank Rut Unit Wonogiri | Jl. Ahmad Yani 23 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
15 rows in set (0.304 sec)

MariaDB [perbank]> SELECT no_rekening, pin FROM rekening ORDER BY saldo DESC;
+-----+-----+
| no_rekening | pin |
+-----+-----+
| 108 | 0 |
| 106 | 6666 |
| 105 | 5555 |
| 116 | 1998 |
+-----+-----+
```

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbank]> SELECT no_rekening, pin FROM rekening ORDER BY saldo DESC;
+-----+-----+
| no_rekening | pin |
+-----+-----+
| 108 | 0 |
| 106 | 6666 |
| 105 | 5555 |
| 116 | 1998 |
| 107 | 7777 |
| 104 | 4444 |
| 103 | 3333 |
| 117 | 2002 |
| 121 | 7788 |
| 118 | 1122 |
| 110 | 1234 |
| 101 | 1111 |
| 115 | 1099 |
| 102 | 2222 |
| 123 | 1312 |
| 112 | 123 |
| 114 | 7896 |
| 113 | 8888 |
| 119 | 3344 |
| 111 | 4321 |
| 122 | 9900 |
| 120 | 5566 |
| 109 | 9999 |
+-----+-----+
23 rows in set (0.174 sec)
```

Tugas

1.

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah ORDER BY nama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Budi Eko Prayogo | Jl. Kantil 30 |
| Budi Murtono | Jl. Merak 22 |
| Canka Lokananta | Jl. Tidar 86 |
| Faridha | Jl. Kiwi 56 |
| Indri Hapsari | Jl. Slamet Riyadi 34 |
| Kartika Padmasari | Jl. Manggis 15 |
| Kurnia | Jl. Jambu 88 |
| Maryati | Jl. MT. Haryono 31 |
| Paijo | Jl. Anggur 41 |
| Purnama | Jl. Srikaya 09 |
| Ramadhan | Jl. Duku 15 |
| Sari Murti | Jl. Pangandaran 11 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Suparman | Jl. Hasanudin 81 |
| Suparman | Jl. Jeruk 2 |
| Sutomo | Jl. Mangga 20 |
| Sutopo | Jl. Jendral Sudirman 12 |
| Tika | Jl. Nangka 43 |
| Wahyu | Jl. Semangka 17 |
| Winarno | Jl. Apel 13 |
+-----+-----+
20 rows in set (0.154 sec)
```

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah ORDER BY nama_nasabah DESC;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Winarno | Jl. Apel 13 |
| Wahyu | Jl. Semangka 17 |
| Tika | Jl. Nangka 43 |
| Sutopo | Jl. Jendral Sudirman 12 |
| Sutomo | Jl. Mangga 20 |
| Suparman | Jl. Hasanudin 81 |
| Suparman | Jl. Jeruk 2 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Sari Murti | Jl. Pangandaran 11 |
| Ramadhan | Jl. Duku 15 |
| Purnama | Jl. Srikaya 09 |
| Paijo | Jl. Anggur 41 |
| Maryati | Jl. MT. Haryono 31 |
| Kurnia | Jl. Jambu 88 |
| Kartika Padmasari | Jl. Manggis 15 |
| Indri Hapsari | Jl. Slamet Riyadi 34 |
| Faridha | Jl. Kiwi 56 |
| Canka Lokananta | Jl. Tidar 86 |
| Budi Murtono | Jl. Merak 22 |
| Budi Eko Prayogo | Jl. Kantil 30 |
+-----+-----+
20 rows in set (0.000 sec)
```

2.

```
XAMPP for Windows - mysql -u root -p
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 | 100000 |
| kredit | 800000 |
| kredit | 170000 |
| kredit | 190000 |
| kredit | 500000 |
| kredit | 590000 |
| kredit | 500000 |
| kredit | 170000 |
| kredit | 350000 |
+-----+-----+
22 rows in set (0.198 sec)

MariaDB [perbankan]> _
```

3.

```
Select XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal = '2009-11-21' AND ORDER BY jumlah;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'ORDER BY ju
lah' at line 1
MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal = '2009-11-21';
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| debit          | 40000  |
+-----+-----+
1 row in set (0.149 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 (0.001 sec)

MariaDB [perbankan]>
```

4.

```
XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah AND jenis_transaksi, jumlah FROM transaksi WHERE jumlah = 20000;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND jenis_t
ransaksi, jumlah FROM transaksi WHERE jumlah = 20000' at line 1
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, jumlah FROM transaksi WHERE jumlah = 20000, nasabah;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'nasabah' a
t line 1
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, jumlah FROM nasabah, transaksi WHERE jumlah = 20000;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+
| Sutopo       | kredit         | 20000  |
| Maryati      | kredit         | 20000  |
| Suparman     | kredit         | 20000  |
| Kartika Padmasari | kredit       | 20000  |
| Budi Eko Prayogo | kredit       | 20000  |
| Satria Eka Jaya | kredit       | 20000  |
| Indri Hapsari | kredit       | 20000  |
| Sari Murti   | kredit       | 20000  |
| Canka Lokananta | kredit       | 20000  |
| Budi Murtono | kredit       | 20000  |
| Sutomo       | kredit       | 20000  |
| Suparman     | kredit       | 20000  |
| Paijo        | kredit       | 20000  |
| Winarno     | kredit       | 20000  |
| Wahyu       | kredit       | 20000  |
| Tika        | kredit       | 20000  |
| Faridha     | kredit       | 20000  |
| Purnama     | kredit       | 20000  |
| Kurnia      | kredit       | 20000  |
| Ramadhan    | kredit       | 20000  |
| Sutopo       | debit        | 20000  |
| Maryati      | debit        | 20000  |
| Suparman     | debit        | 20000  |
| Kartika Padmasari | debit       | 20000  |
| Budi Eko Prayogo | debit       | 20000  |
| Satria Eka Jaya | debit       | 20000  |
| Indri Hapsari | debit       | 20000  |
| Sari Murti   | debit       | 20000  |
| Canka Lokananta | debit       | 20000  |
| Budi Murtono | debit       | 20000  |
| Sutomo       | debit       | 20000  |
| Suparman     | debit       | 20000  |
| Paijo        | debit       | 20000  |
| Winarno     | debit       | 20000  |
+-----+-----+-----+
```

```
XAMPP for Windows - mysql -u root -p

Winarno      kredit      20000
Wahyu        kredit      20000
Tika         kredit      20000
Faridha      kredit      20000
Purnama      kredit      20000
Kurnia       kredit      20000
Ramadhan     kredit      20000
Sutopo       debit       20000
Maryati      debit       20000
Suparman     debit       20000
Kartika Padmasari debit       20000
Budi Eko Prayogo debit       20000
Satria Eka Jaya debit       20000
Indri Hapsari debit       20000
Sari Murti   debit       20000
Canka Lokananta debit       20000
Budi Murtono debit       20000
Sutomo       debit       20000
Suparman     debit       20000
Paijo        debit       20000
Winarno      debit       20000
Wahyu        debit       20000
Tika         debit       20000
Faridha      debit       20000
Purnama      debit       20000
Kurnia       debit       20000
Ramadhan     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
Indri Hapsari kredit      20000
Sari Murti   kredit      20000
Canka Lokananta kredit      20000
Budi Murtono kredit      20000
Sutomo       kredit      20000
Suparman     kredit      20000
Paijo        kredit      20000
Winarno      kredit      20000
Wahyu        kredit      20000
Tika         kredit      20000
Faridha      kredit      20000
```

```
XAMPP for Windows - mysql -u root -p

Faridha      debit       20000
Purnama      debit       20000
Kurnia       debit       20000
Ramadhan     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
Indri Hapsari kredit      20000
Sari Murti   kredit      20000
Canka Lokananta kredit      20000
Budi Murtono kredit      20000
Sutomo       kredit      20000
Suparman     kredit      20000
Paijo        kredit      20000
Winarno      kredit      20000
Wahyu        kredit      20000
Tika         kredit      20000
Faridha      kredit      20000
Purnama      kredit      20000
Kurnia       kredit      20000
Ramadhan     kredit      20000
Sutopo       debit       20000
Maryati      debit       20000
Suparman     debit       20000
Kartika Padmasari debit       20000
Budi Eko Prayogo debit       20000
Satria Eka Jaya debit       20000
Indri Hapsari debit       20000
Sari Murti   debit       20000
Canka Lokananta debit       20000
Budi Murtono debit       20000
Sutomo       debit       20000
Suparman     debit       20000
Paijo        debit       20000
Winarno      debit       20000
Wahyu        debit       20000
Tika         debit       20000
Faridha      debit       20000
Purnama      debit       20000
Kurnia       debit       20000
Ramadhan     debit       20000
```

```
XAMPP for Windows - mysql -u root -p

Ramadhan     debit       20000
Sutopo       debit       20000
Maryati      debit       20000
Suparman     debit       20000
Kartika Padmasari debit       20000
Budi Eko Prayogo debit       20000
Satria Eka Jaya debit       20000
Indri Hapsari debit       20000
Sari Murti   debit       20000
Canka Lokananta debit       20000
Budi Murtono debit       20000
Sutomo       debit       20000
Suparman     debit       20000
Paijo        debit       20000
Winarno      debit       20000
Wahyu        debit       20000
Tika         debit       20000
Faridha      debit       20000
Purnama      debit       20000
Kurnia       debit       20000
Ramadhan     debit       20000
+-----+
100 rows in set (0.121 sec)
```

5.

```
XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah ILIKE '%Su';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'ILIKE '%Su''
at line 1
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE '%Su';
Empty set (0.001 sec)

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 |
| Sutomo       | Jl. Mangga 20 |
| Suparman     | Jl. Jeruk 2 |
+-----+-----+
4 rows in set (0.000 sec)
```

6. Carilah dan tampilkan data pada table nasabah dengan alamat nasabah diawali 'Jl' dan dengan akhiran angka 1 di nomor jalan nya.

```
XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> SELECT*FROM nasabah WHERE alamat_nasabah LIKE 'Jl%' AND alamat_nasabah LIKE '%1';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '%1' at line 1
MariaDB [perbankan]> SELECT*FROM nasabah WHERE alamat_nasabah LIKE 'Jl%' AND alamat_nasabah LIKE '%1';
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 13 | Paijo | Jl. Anggur 41 |
+-----+-----+-----+
4 rows in set (0.001 sec)
```

7. Carilah dan tampilkan data pada table rekening dengan nomor pin nasabah diawali angka 1 atau diakhiri angka 2 atau diawali dengan angka 7.

```
XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> SELECT*FROM rekening WHERE pin LIKE '1%' OR pin LIKE '%2' OR pin LIKE '7%';
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 107 | BRUS | 7777 | 1000000 |
| 110 | BRUV | 1234 | 550000 |
| 112 | BRUK | 123 | 300000 |
| 114 | BRUC | 7896 | 280000 |
| 115 | BRUE | 1999 | 500000 |
| 116 | BRUJ | 1998 | 1000000 |
| 117 | BRUP | 2002 | 700000 |
| 118 | BRUC | 1122 | 560000 |
| 121 | BRUD | 7788 | 680000 |
| 123 | BRUR | 1312 | 350000 |
+-----+-----+-----+-----+
12 rows in set (0.104 sec)
```

8. Tampilkan 8 baris data setelah melewati 2 baris pertama data pada table nasabah dengan pengurutan nama.

```
Select XAMPP for Windows - mysql -u root -p

MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah, id_nasabah FROM nasabah ORDER BY nama_nasabah LIMIT 8 OFFSET 2;
+-----+-----+-----+
| nama_nasabah | alamat_nasabah | id_nasabah |
+-----+-----+-----+
| Canka Lokananta | Jl. Tidar 86 | 9 |
| Faridha | Jl. Kiwi 56 | 17 |
| Indri Hapsari | Jl. Slamet Riyadi 34 | 7 |
| Kartika Padmasari | Jl. Manggis 15 | 4 |
| Kurnia | Jl. Jambu 88 | 19 |
| Maryati | Jl. MT. Haryono 31 | 2 |
| Paijo | Jl. Anggur 41 | 13 |
| Purnama | Jl. Srikaya 09 | 18 |
+-----+-----+-----+
8 rows in set (0.000 sec)
```

- ```
XAMPP for Windows - mysql -u root -p
3 rows in set (0.022 sec)

MariaDB [perbankan]> select*from rekening;
+-----+-----+-----+-----+
| 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	0	5000000
109	BRUB	9999	0
110	BRUY	1234	550000
111	BRUK	4321	150000
112	BRUK	123	300000
113	BRUY	8888	255000
114	BRUC	7896	280000
115	BRUE	1999	500000
116	BRUJ	1998	1000000
117	BRUP	2092	700000
118	BRUC	1122	500000
119	BRUA	3344	200000
120	BRUL	5566	80000
121	BRUD	7788	680000
122	BRUT	9900	90000
123	BRUR	1312	350000
+-----+-----+-----+-----+
23 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT pin FROM rekening WHERE no_rekening LIKE '1%' AND no_rekening LIKE '%1' AND saldo IS NOT NULL;
+-----+
| pin |
+-----+
| 1111 |
| 4321 |
| 7788 |
+-----+
3 rows in set (0.001 sec)

MariaDB [perbankan]>
```

- ```

XAMPP for Windows - mysql - u root - p
MariaDB [perbankan]> select*from rekening;
+-----+-----+-----+-----+
| 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 | 0 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 123 | 300000 |
| 113 | BRUY | 8080 | 255000 |
| 114 | BRUC | 7896 | 280000 |
| 115 | BRUE | 1999 | 500000 |
| 116 | BRUJ | 1998 | 1000000 |
| 117 | BRUP | 2002 | 700000 |
| 118 | BRUC | 1122 | 560000 |
| 119 | BRUA | 3344 | 200000 |
| 120 | BRUL | 5566 | 80000 |
| 121 | BRUD | 7788 | 600000 |
| 122 | BRUT | 9900 | 90000 |
| 123 | BRUR | 1312 | 350000 |
+-----+-----+-----+-----+
23 rows in set (0.000 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE pin LIKE '%2' OR pin LIKE '%4%' AND saldo IS NOT NULL ORDER BY no_rekening LIMIT 3 OFFSET 2;
+-----+
| no_rekening |
+-----+
| 111 |
| 117 |
| 118 |
+-----+
3 rows in set (0.001 sec)

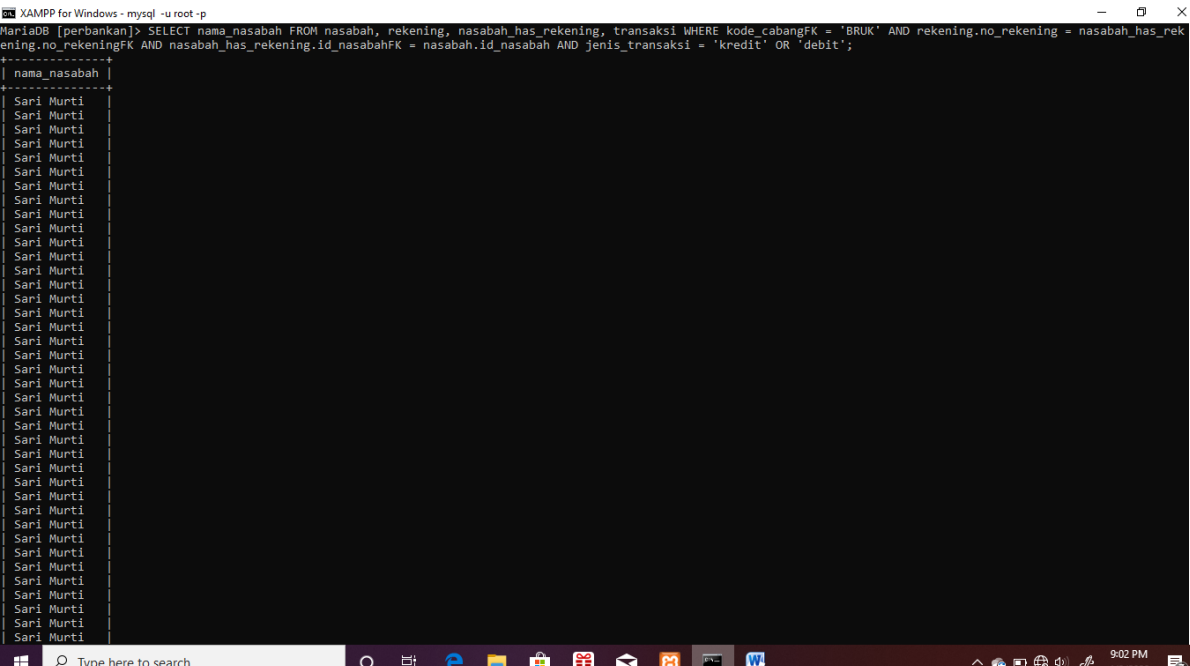
MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE pin LIKE '%2' OR pin LIKE '%4%' AND saldo IS NULL ORDER BY no_rekening LIMIT 9 OFFSET 2;
+-----+
| no_rekening |
+-----+

```

Nama nasabah dengan awalan String 'Su'

Menampilkan nama nasabah yang berasal dari Bank sama

Menampilkan nama nasabah yang berasal dari Bank sama dan melakukan transaksi kredit atau debit.



The screenshot shows a Windows terminal window with the title "XAMPP for Windows - mysql -u root -p". The prompt is "MariaDB [perbankan]>". The user has entered the following SQL query:

```
SELECT nama_nasabah FROM nasabah, rekening, nasabah_has_rekening, transaksi WHERE kode_cabangFK = 'BRUK' AND rekening.no_rekening = nasabah_has_rekening.no_rekeningFK AND nasabah_has_rekening.id_nasabahFK = nasabah.id_nasabah AND jenis_transaksi = 'kredit' OR 'debit';
```

The query results are displayed in a table with one column, "nama_nasabah". The results consist of 25 rows, all containing the name "Sari Murti".

The terminal window is part of a Windows desktop environment. The taskbar at the bottom shows the Start button, a search bar with the text "Type here to search", and several application icons including File Explorer, Microsoft Edge, and the XAMPP control panel. The system tray on the right shows the date and time as "9:02 PM 4/2/2020".

Menampilkan nama nasabah yang berasal dari satu cabang bank sama dan memiliki jenis transaksi kredit atau debit.

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, transaksi.jenis_transaksi FROM nasabah, nasabah_has_rekening, rekening, transaksi WHERE
-> nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK AND
-> nasabah_has_rekening.no_rekeningFK = rekening.no_rekening AND
-> rekening.kode_cabangFK = 'BRUB' AND
-> (transaksi.jenis_transaksi = 'kredit' OR transaksi.jenis_transaksi = 'debit');
+-----+-----+
| nama_nasabah | jenis_transaksi |
+-----+-----+
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | kredit          |
| Budi Murtono    | kredit          |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
| Satria Eka Jaya | debit           |
| Budi Murtono    | debit           |
+-----+-----+
```

Menampilkan transaksi nasabah yang berasal dari cabang bank sama

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> SELECT*FROM transaksi, rekening WHERE transaksi.no_rekeningFK = rekening.no_rekening AND rekening.kode_cabangFK = 'BRUB';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal           | jumlah | no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 19           | 10           | 108           | debit           | 2009-11-26 00:00:00 | 100000 | 108         | BRUB          | 0   | 5000000 |
| 29           | 7            | 109           | debit           | 2009-12-05 00:00:00 | 100000 | 109         | BRUB          | 9999 | 0 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.078 sec)
```

Menampilkan transaksi nasabah dari bang cabang boyolali dan surakarta

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> SELECT*FROM transaksi, rekening WHERE transaksi.no_rekeningFK = rekening.no_rekening AND rekening.kode_cabangFK = 'BRUB' OR rekening.kode_cabangFK
= 'BRUS';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal           | jumlah | no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1            | 3            | 105           | debit           | 2009-11-10 00:00:00 | 50000  | 101         | BRUS          | 1111 | 500000 |
| 1            | 3            | 105           | debit           | 2009-11-10 00:00:00 | 50000  | 102         | BRUS          | 2222 | 350000 |
| 1            | 3            | 105           | debit           | 2009-11-10 00:00:00 | 50000  | 103         | BRUS          | 3333 | 750000 |
| 1            | 3            | 105           | debit           | 2009-11-10 00:00:00 | 50000  | 106         | BRUS          | 6666 | 3000000 |
| 2            | 3            | 105           | debit           | 2009-11-10 00:00:00 | 50000  | 107         | BRUS          | 7777 | 1000000 |
| 2            | 2            | 103           | debit           | 2009-11-10 00:00:00 | 40000  | 101         | BRUS          | 1111 | 5000000 |
| 2            | 2            | 103           | debit           | 2009-11-10 00:00:00 | 40000  | 102         | BRUS          | 2222 | 350000 |
| 2            | 2            | 103           | debit           | 2009-11-10 00:00:00 | 40000  | 103         | BRUS          | 3333 | 750000 |
| 2            | 2            | 103           | debit           | 2009-11-10 00:00:00 | 40000  | 106         | BRUS          | 6666 | 3000000 |
| 2            | 2            | 103           | debit           | 2009-11-10 00:00:00 | 40000  | 107         | BRUS          | 7777 | 1000000 |
| 3            | 4            | 101           | kredit          | 2009-11-12 00:00:00 | 20000  | 101         | BRUS          | 1111 | 500000 |
| 3            | 4            | 101           | kredit          | 2009-11-12 00:00:00 | 20000  | 102         | BRUS          | 2222 | 350000 |
| 3            | 4            | 101           | kredit          | 2009-11-12 00:00:00 | 20000  | 103         | BRUS          | 3333 | 750000 |
| 3            | 4            | 101           | kredit          | 2009-11-12 00:00:00 | 20000  | 106         | BRUS          | 6666 | 3000000 |
| 4            | 3            | 106           | debit           | 2009-11-13 00:00:00 | 50000  | 101         | BRUS          | 1111 | 500000 |
| 4            | 3            | 106           | debit           | 2009-11-13 00:00:00 | 50000  | 102         | BRUS          | 2222 | 350000 |
| 4            | 3            | 106           | debit           | 2009-11-13 00:00:00 | 50000  | 103         | BRUS          | 3333 | 750000 |
| 4            | 3            | 106           | debit           | 2009-11-13 00:00:00 | 50000  | 106         | BRUS          | 6666 | 3000000 |
| 4            | 3            | 106           | debit           | 2009-11-13 00:00:00 | 50000  | 107         | BRUS          | 7777 | 1000000 |
| 5            | 5            | 107           | kredit          | 2009-11-13 00:00:00 | 30000  | 101         | BRUS          | 1111 | 500000 |
| 5            | 5            | 107           | kredit          | 2009-11-13 00:00:00 | 30000  | 102         | BRUS          | 2222 | 350000 |
| 5            | 5            | 107           | kredit          | 2009-11-13 00:00:00 | 30000  | 103         | BRUS          | 3333 | 750000 |
| 5            | 5            | 107           | kredit          | 2009-11-13 00:00:00 | 30000  | 106         | BRUS          | 6666 | 3000000 |
| 5            | 5            | 107           | kredit          | 2009-11-13 00:00:00 | 30000  | 107         | BRUS          | 7777 | 1000000 |
| 6            | 1            | 104           | kredit          | 2009-11-15 00:00:00 | 200000 | 101         | BRUS          | 1111 | 500000 |
| 6            | 1            | 104           | kredit          | 2009-11-15 00:00:00 | 200000 | 102         | BRUS          | 2222 | 350000 |
| 6            | 1            | 104           | kredit          | 2009-11-15 00:00:00 | 200000 | 103         | BRUS          | 3333 | 750000 |
| 6            | 1            | 104           | kredit          | 2009-11-15 00:00:00 | 200000 | 106         | BRUS          | 6666 | 3000000 |
| 6            | 1            | 104           | kredit          | 2009-11-15 00:00:00 | 200000 | 107         | BRUS          | 7777 | 1000000 |
| 7            | 9            | 110           | kredit          | 2009-11-15 00:00:00 | 150000 | 101         | BRUS          | 1111 | 5000000 |
| 7            | 9            | 110           | kredit          | 2009-11-15 00:00:00 | 150000 | 102         | BRUS          | 2222 | 350000 |
| 7            | 9            | 110           | kredit          | 2009-11-15 00:00:00 | 150000 | 103         | BRUS          | 3333 | 750000 |
| 7            | 9            | 110           | kredit          | 2009-11-15 00:00:00 | 150000 | 106         | BRUS          | 6666 | 3000000 |
| 7            | 9            | 110           | kredit          | 2009-11-15 00:00:00 | 150000 | 107         | BRUS          | 7777 | 1000000 |
| 8            | 5            | 102           | debit           | 2009-11-16 00:00:00 | 20000  | 101         | BRUS          | 1111 | 500000 |
| 8            | 5            | 102           | debit           | 2009-11-16 00:00:00 | 20000  | 102         | BRUS          | 2222 | 350000 |
| 8            | 5            | 102           | debit           | 2009-11-16 00:00:00 | 20000  | 103         | BRUS          | 3333 | 750000 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
```