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Praktikum Sistem Basis Data Modul 6

Latihan

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

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> select nama_cabang, alamat_cabang from cabang_bank order by nama_cabang;
+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Amal Aceh | Jl Abdul Hamid 37 |
| Bank Amal Bandung | Jl Mega jaya 101 |
| Bank Amal Boyolali | Jl Jambu 2 |
| Bank Amal Jakarta | Jl MT. Thamrin 21 |
| Bank Amal Kartasura | Jl Colomadu 22 |
| Bank Amal Magelang | Jl Suramadu 82 |
| Bank Amal Pati | Jl Kepatihan 77 |
| Bank Amal Surakarta | Jl Apel 3 |
| Bank Amal Wonogiri | Jl Madurasa 125 |
| Bank Amal Yogyakarta | Jl Ahmad Yani 17 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Klaten | Jl. Suparman 23 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Wonogiri | Jl. A. Yani 23 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
15 rows in set (0.476 sec)

MariaDB [perbankan]>

Command Prompt - mysql -u root -p

MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 108 | 0000 | 5000000 |
| 106 | 6666 | 3000000 |
| 105 | 5555 | 2000000 |
| 107 | 7777 | 1000000 |
| 104 | 4444 | 900000 |
| 103 | 3333 | 750000 |
| 110 | 1234 | 550000 |
| 121 | 6666 | 500000 |
| 101 | 1111 | 500000 |
| 123 | 8888 | 450000 |
| 122 | 7777 | 400000 |
| 102 | 2222 | 350000 |
| 112 | 0123 | 300000 |
| 117 | 2222 | 300000 |
| 113 | 8888 | 255000 |
| 118 | 3333 | 250000 |
| 116 | 1111 | 200000 |
| 115 | 4321 | 150000 |
| 111 | 4321 | 150000 |
| 114 | 1234 | 100000 |
| 119 | 4444 | 50000 |
| 120 | 5555 | 20000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
23 rows in set (0.058 sec)
```

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 |
+-----+-----+
| Andi         | Jl Suramadu 102 |
| Andika       | Jl Hasanudin 25 |
| Arifan       | Jl Tendea 5     |
| Bakhtiar     | Jl Marwan 63    |
| Budi Eko Prayogo | Jl. Kantil 30  |
| Budi Murtono  | Jl. Merak 22    |
| Canka Lokananta | Jl. Tidar 86    |
| Faella       | Jl Bandung 1    |
| Fandira      | Jl Kemangi 32   |
| Hanan        | Jl Ahmad Yani 10 |
| Kartika Padmasari | Jl. Manggis 15 |
| Maryati      | Jl. MT. Haryono 31 |
| Sari Murti   | Jl. Pangandaran 11 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Satrio       | Jl Kariadi 9    |
| Superman     | Jl. Hasanudin 81 |
| Sutopo       | Jl. Jendral Sudirman 12 |
| Tri          | Jl Merak 43     |
| Wahyu        | Jl Honggowongso 21 |
+-----+-----+
19 rows in set (0.111 sec)

MariaDB [perbankan]>
```

2.

```
Command Prompt - 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          | 50000  |
| kredit          | 200000 |
| kredit          | 100000 |
| kredit          | 75000  |
| kredit          | 250000 |
| kredit          | 150000 |
| kredit          | 50000  |
| kredit          | 200000 |
| kredit          | 250000 |
+-----+-----+
22 rows in set (0.156 sec)

MariaDB [perbankan]>
```

3.

```

Command Prompt - mysql -u root -p

kredit      50000
kredit      200000
kredit      100000
kredit      20000
kredit      50000
kredit      200000
kredit      100000
kredit      100000
kredit      200000
kredit      50000
kredit      200000
kredit      100000
kredit      75000
kredit      250000
kredit      150000
kredit      50000
kredit      200000
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 |
+-----+-----+
| debit          | 40000  |
+-----+-----+
1 row in set (0.055 sec)

MariaDB [perbankan]>

```

4.

```

Command Prompt - mysql -u root -p

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  |
| 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  |
| Faella       | kredit         | 20000  |
| Satrio       | kredit         | 20000  |
| Tri          | kredit         | 20000  |
| Bakhtiar     | 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  |
| Sari Murti   | debit          | 20000  |

```

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

Canka Lokananta    debit    20000
Budi Murtono       debit    20000
Andika             debit    20000
Wahyu              debit    20000
Hanan              debit    20000
Arifan             debit    20000
Andi               debit    20000
Fandira            debit    20000
Faela              debit    20000
Satrio             debit    20000
Tri                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 - mysql -u root -p

Arifan    debit    20000
Andi      debit    20000
Fandira   debit    20000
Faela     debit    20000
Satrio    debit    20000
Tri       debit    20000
Bakhtiar  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
Sari Murti        debit    20000
Canka Lokananta   debit    20000
Budi Murtono      debit    20000
Andika           debit    20000
Wahyu            debit    20000
Hanan           debit    20000
Arifan           debit    20000
Andi             debit    20000
Fandira          debit    20000
Faela            debit    20000
Satrio           debit    20000
Tri              debit    20000
Bakhtiar         debit    20000
+-----+
95 rows in set (0.151 sec)

MariaDB [perbankan]>
```

5.

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

+-----+
| Superman | debit | 20000 |
| Kartika Padmasari | debit | 20000 |
| Budi Eko Prayogo | debit | 20000 |
| Satria Eka Jaya | debit | 20000 |
| Sari Murti | debit | 20000 |
| Canka Lokananta | debit | 20000 |
| Budi Murtono | debit | 20000 |
| Andika | debit | 20000 |
| Wahyu | debit | 20000 |
| Hanan | debit | 20000 |
| Arifan | debit | 20000 |
| Andi | debit | 20000 |
| Fandira | debit | 20000 |
| Faella | debit | 20000 |
| Satrio | debit | 20000 |
| Tri | debit | 20000 |
| Bakhtiar | debit | 20000 |
+-----+
95 rows in set (0.151 sec)

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'su%';
+-----+
| nama_nasabah | alamat_nasabah |
+-----+
| Sutopo | Jl. Jendral Sudirman 12 |
| Superman | Jl. Hasanudin 81 |
+-----+
2 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!

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 's%' and nama_nasabah like '%a%';
+-----+
| nama_nasabah | alamat_nasabah |
+-----+
| Superman | Jl. Hasanudin 81 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Sari Murti | Jl. Pangandaran 11 |
| Satrio | Jl. Kariadi 9 |
+-----+
4 rows in set (0.001 sec)

MariaDB [perbankan]>
```

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

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'b%' and nama_nasabah like '%i%' and nama_nasabah like '%o';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Budi Eko Prayogo | Jl. Kantil 30 |
| Budi Murtono | Jl. Merak 22 |
+-----+-----+
2 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!

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah desc limit 2 offset 2;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Sutopo | Jl. Jendral Sudirman 12 |
| Superman | Jl. Hasanudin 81 |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]>
```

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

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'a%' and alamat_nasabah is not null;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Andika       | Jl Hasanudin 25 |
| Arifan       | Jl Tendea 5     |
| Andi         | Jl Suramadu 102 |
+-----+-----+
3 rows in set (0.001 sec)

MariaDB [perbankan]>
```

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!

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like '%u%' and alamat_nasabah is not null order by nama_nasabah desc limit 2 offset 2;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Superman     | Jl. Hasanudin 81 |
| Sari Murti   | Jl. Pangandaran 11 |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]>
```

11. Tampilkan nama nasabah dan alamat nasabah yang memiliki nama huruf 'a' di mana saja dan memiliki huruf belakang 'o'!

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like '%a%' and nama_nasabah like '%o';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Budi Eko Prayogo | Jl. Kantil 30 |
| Satrio | Jl Kariadi 9 |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]>
```

12. Tampilkan kode cabang yang memiliki saldo saldo di atas 100000, di bawah 500000 dan tidak sama dengan 350000!

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

MariaDB [perbankan]> select kode_cabangFK from rekening where saldo > 100000 and saldo < 500000 and saldo != 350000;
+-----+
| kode_cabangFK |
+-----+
| BRUK |
| BRUK |
| BRUY |
| BAY |
| BAM |
| BAK |
| BAB |
| BAP |
| BAA |
+-----+
9 rows in set (0.062 sec)

MariaDB [perbankan]>
```


13. Tampilkan nama nasabah dan alamat nasabah sebanyak 5 buah garis urut dari nama paling atas!

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

MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah limit 5;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Andi         | Jl Suramadu 102 |
| Andika       | Jl Hasanudin 25 |
| Arifan       | Jl Tendean 5    |
| Bakhtiar     | Jl Marwan 63    |
| Budi Eko Prayogo | Jl. Kantil 30  |
+-----+-----+
5 rows in set (0.001 sec)

MariaDB [perbankan]>
```

14. Tampilkan no rekening dan pin yang memiliki pin dengan angka 1 dan 2!

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

MariaDB [perbankan]> select no_rekening, pin from rekening where pin like '%1%' and pin like '%2%';
+-----+-----+
| no_rekening | pin |
+-----+-----+
| 110         | 1234 |
| 111         | 4321 |
| 112         | 0123 |
| 114         | 1234 |
| 115         | 4321 |
+-----+-----+
5 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

15. Tampilkan no rekening dan pin yang memiliki pin dengan angka 1 dan 2 sebanyak 2 baris dari bawah!

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

MariaDB [perbankan]> select no_rekening, pin from rekening where pin like '%1%' and pin like '%2%' order by no_rekening
desc limit 2;
+-----+-----+
| no_rekening | pin |
+-----+-----+
|          115 | 4321 |
|          114 | 1234 |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]> _
```