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Tugas Praktikum Modul 6

Nomer 1 dan 2

```
Administrator: Command MRRS - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah ORDER BY nama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Ahmad Zaki   | Jl Tendea 5    |
| Andi         | Jl Hasanudin 25|
| Budi Eko Prayogo | Jl. Kantil 30 |
| Budi Kariadi | Jl Kariadi 9   |
| Budi Murtono | Jl. Merak 22   |
| Burhan       | Jl Suramadu 102|
| Candra       | Jl Marwan 63   |
| Canka Lokananta | Jl. Tidar 86  |
| Indri Hapsari | Jl Slamet Riyadi 34 |
| Izul         | Jl Kemangi 32  |
| Kartika Padmasari | Jl. Manggis 15 |
| Maryati      | Jl. MT Haryono 31 |
| Sari         | Jl Bandung 1   |
| Sari Murti   | Jl. Pangandaran 11 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Suparman     | Jl. Hasanudin 81 |
| Sutopo       | Jl. Jendral Sudirman 12 |
| Syamsudin    | Jl Ahmad Yani 10 |
| Udin         | Jl Honggowongso 21 |
| Zaki Izudin  | Jl Merak 43    |
+-----+-----+
20 rows in set (1.921 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          | 50000  |
| kredit          | 200000 |
| kredit          | 100000 |
| kredit          | 75000  |
| kredit          | 250000 |
| kredit          | 150000 |
| kredit          | 50000  |
| kredit          | 200000 |
| kredit          | 250000 |
+-----+-----+
22 rows in set (0.205 sec)
```

Soal nomer 3 dan 4

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

E:\MRRS\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
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]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal
= '2009-11-21'
-> ;
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| debit           | 40000  |
+-----+-----+
1 row in set (0.080 sec)
```

Administrator: Command MRRS - 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
Indri Hapsari	kredit	20000
Sari Murti	kredit	20000
Canka Lokananta	kredit	20000
Budi Murtono	kredit	20000
Andi	kredit	20000
Udin	kredit	20000
Syamsudin	kredit	20000
Ahmad Zaki	kredit	20000
Burhan	kredit	20000
Izul	kredit	20000
Sari	kredit	20000
Budi Kariadi	kredit	20000
Zaki Izudin	kredit	20000
Candra	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
Andi	debit	20000
Udin	debit	20000
Syamsudin	debit	20000
Ahmad Zaki	debit	20000
Burhan	debit	20000
Izul	debit	20000
Sari	debit	20000
Budi Kariadi	debit	20000
Zaki Izudin	debit	20000
Candra	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
Andi	kredit	20000
Udin	kredit	20000

```
Administrator: Command MRRS - mysql -u root -p
+-----+-----+-----+
| Indri Hapsari | kredit | 20000 |
| Sari Murti    | kredit | 20000 |
| Canka Lokananta | kredit | 20000 |
| Budi Murtono  | kredit | 20000 |
| Andi         | kredit | 20000 |
| Udin         | kredit | 20000 |
| Syamsudin    | kredit | 20000 |
| Ahmad Zaki   | kredit | 20000 |
| Burhan       | kredit | 20000 |
| Izul         | kredit | 20000 |
| Sari         | kredit | 20000 |
| Budi Kariadi  | kredit | 20000 |
| Zaki Izudin  | kredit | 20000 |
| Candra       | 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 |
| Andi         | debit  | 20000 |
| Udin         | debit  | 20000 |
| Syamsudin    | debit  | 20000 |
| Ahmad Zaki   | debit  | 20000 |
| Burhan       | debit  | 20000 |
| Izul         | debit  | 20000 |
| Sari         | debit  | 20000 |
| Budi Kariadi  | debit  | 20000 |
| Zaki Izudin  | debit  | 20000 |
| Candra       | 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 |
| Andi         | debit  | 20000 |
| Udin         | debit  | 20000 |
| Syamsudin    | debit  | 20000 |
| Ahmad Zaki   | debit  | 20000 |
| Burhan       | debit  | 20000 |
| Izul         | debit  | 20000 |
| Sari         | debit  | 20000 |
| Budi Kariadi  | debit  | 20000 |
| Zaki Izudin  | debit  | 20000 |
| Candra       | debit  | 20000 |
+-----+-----+-----+
100 rows in set (0.055 sec)
```

Soal nomer 5

```
Administrator: Command MRRS - 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 (0.001 sec)

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 |
+-----+-----+
1 row in set (0.001 sec)

MariaDB [perbankan]> SELECT kode_cabangFK FROM rekening WHERE saldo >= 100000 AND saldo <= 500000 AND saldo != 0;
+-----+
| kode_cabangFK |
+-----+
| BRUS          |
| BRUS          |
| BRUK          |
| BRUK          |
| BRUY          |
| BAS           |
| BAY           |
| BAM           |
| BAK           |
| BAB           |
| BAJ           |
| BAP           |
| BAA           |
+-----+
13 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah ORDER BY id_nasabah DESC LIMIT 2 OFFSET 2;
+-----+
| nama_nasabah |
+-----+
| Budi Kariadi |
| Sari         |
+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE pin LIKE '%1%' AND pin LIKE '%2%';
+-----+
| no_rekening |
+-----+
| 110         |
| 111         |
+-----+
```

Soal nomer 6

Administrator: Command MRRS - mysql -u root -p

2 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE pin LIKE '%1%' AND p
in LIKE '%2%';

no_rekening
110
111
112
114
115

5 rows in set (0.002 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE saldo IS NOT NULL;

no_rekening
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123

23 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE pin LIKE '%1%' AND p
in LIKE '%2%' ORDER BY no_rekening LIMIT 2 OFFSET 2;

no_rekening
112
114

2 rows in set (0.001 sec)

```
Administrator: Command MRRS - mysql -u root -p
MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE saldo IS NOT NULL;
+-----+
| no_rekening |
+-----+
|          101 |
|          102 |
|          103 |
|          104 |
|          105 |
|          106 |
|          107 |
|          108 |
|          109 |
|          110 |
|          111 |
|          112 |
|          113 |
|          114 |
|          115 |
|          116 |
|          117 |
|          118 |
|          119 |
|          120 |
|          121 |
|          122 |
|          123 |
+-----+
23 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE pin LIKE '%1%' AND p
in LIKE '%2%' ORDER BY no_rekening LIMIT 2 OFFSET 2;
+-----+
| no_rekening |
+-----+
|          112 |
|          114 |
+-----+
2 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE saldo IS NOT NULL OR
DER BY id_nasabah LIMIT 3 OFFSET 3;
ERROR 1054 (42S22): Unknown column 'id_nasabah' in 'order clause'
MariaDB [perbankan]> SELECT no_rekening FROM rekening WHERE saldo IS NOT NULL OR
DER BY no_rekening LIMIT 3 OFFSET 3;
+-----+
| no_rekening |
+-----+
|          104 |
|          105 |
|          106 |
+-----+
3 rows in set (0.001 sec)

MariaDB [perbankan]>
```

Soal nomer 6

Tampilkan nama nasabah dan alamat nasabah yang memiliki huruf 'a' dan huruf belakang 'o' !

Kode :

```
SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE '%a%' AND
nama_nasabah LIKE '%o';
```

Soal nomer 7

Tampilkan kode cabang yang memiliki saldo di atas 100000, di bawah 500000 dan tidak sama dengan 0

Kode :

```
SELECT kode_cabangFK FROM rekening WHERE saldo >= 100000 AND saldo <= 500000 AND saldo != 0;
```

Soal nomer 8

Tampilkan nama nasabah sebanyak 2 buah garis dari bawah

Kode :

```
SELECT nama_nasabah FROM nasabah ORDER BY id_nasabah DESC LIMIT 2 OFFSET 2;
```

Soal nomer 9

Tampilkan no rekening yang memiliki pin dengan angka 1 dan 2

Kode :

```
SELECT no_rekening FROM rekening WHERE pin LIKE '%1%' AND pin LIKE '%2%';
```

Tampilkan saldo nasabah dari tabel cabang transaksi yang tidak memiliki nilai null

Kode :

```
SELECT no_rekening FROM rekening WHERE saldo IS NOT NULL;
```

Soal nomer 10

Tampilkan no rekening yang memiliki pin dengan angka 1 dan 2 sebanyak 2 baris

Kode :

```
SELECT no_rekening FROM rekening WHERE pin LIKE '%1%' AND pin LIKE '%2%' ORDER BY no_rekening LIMIT 2 OFFSET 2;
```

Tampilkan saldo nasabah dari tabel cabang transaksi yang tidak memiliki nilai null sebanyak 3 baris

Kode :

```
SELECT no_rekening FROM rekening WHERE saldo IS NOT NULL ORDER BY no_rekening LIMIT 3 OFFSET 3;
```


Soal tambahan :

```
MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah WHERE nama_nasabah LIKE '%su%';
```

nama_nasabah
Sutopo
Suparman
Syamsudin

3 rows in set (0.001 sec)

```
MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah, rekening, nasabah_has_rekening WHERE kode_cabangFK = 'BRUS' AND rekening.no_rekening = nasabah_has_rekening.no_rekeningFK AND nasabah_has_rekening.id_nasabahFK = nasabah.id_nasabah;
```

nama_nasabah
Maryati
Suparman
Kartika Padmasari
Kartika Padmasari
Budi Eko Prayogo
Budi Eko Prayogo

6 rows in set (0.004 sec)

```
Administrator: Command MRRS - mysql -u root -p
```

```
MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah, rekening, nasabah_has_rekening, transaksi WHERE kode_cabangFK = 'BRUS' AND rekening.no_rekening = nasabah_has_rekening.no_rekeningFK AND nasabah_has_rekening.id_nasabahFK = nasabah.id_nasabah AND jenis_transaksi = 'Kredit' OR 'Debit' ORDER BY kode_cabangFK LIMIT 6;
```

nama_nasabah
Maryati
Suparman
Kartika Padmasari
Kartika Padmasari
Budi Eko Prayogo
Budi Eko Prayogo

6 rows in set, 5 warnings (0.005 sec)

```
MariaDB [perbankan]> SELECT jenis_transaksi FROM rekening, nasabah_has_rekening, transaksi WHERE kode_cabangFK IN('BRUS', 'BRUB') AND transaksi.no_rekeningFK = nasabah_has_rekening.no_rekeningFK AND nasabah_has_rekening.no_rekeningFK = rekening.no_rekening ORDER BY kode_cabangFK LIMIT 6;
```

jenis_transaksi
debit
kredit
debit
kredit
kredit
debit

6 rows in set (0.356 sec)

```
MariaDB [perbankan]> SELECT jenis_transaksi FROM rekening, nasabah_has_rekening, transaksi WHERE kode_cabangFK IN('BRUS', 'BRUB') AND transaksi.no_rekeningFK = nasabah_has_rekening.no_rekeningFK AND nasabah_has_rekening.no_rekeningFK = rekening.no_rekening ORDER BY kode_cabangFK LIMIT 6;
```

jenis_transaksi
debit
debit
kredit
debit
kredit
debit

6 rows in set (0.004 sec)