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Modul 7

JOIN

Tugas

1.

```
Command Prompt - mysql -u root -p
D:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 177
Server version: 10.1.38-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 nasabah.nama_nasabah, nasabah.alamat_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK and transaksi.jenis_transaksi='kredit' order by nasabah.nama_nasabah;
```

nama_nasabah	alamat_nasabah	jenis_transaksi	jumlah
Budi Eko Prayogo	Jl. Kantil 30	kredit	30000
Budi Eko Prayogo	Jl. Kantil 30	kredit	200000
Budi Murtono	Jl. Merak 22	kredit	250000
Canka Lokananta	Jl. Tidar 86	kredit	150000
Indri Hapsari	Jl. Sutoyo 5	kredit	130000
Kartika Padmasari	Jl. Manggis 15	kredit	20000
Kartika Padmasari	Jl. Manggis 15	kredit	20000
Kartika Padmasari	Jl. Manggis 15	kredit	200000
Maryati	Jl. MT. Haryono 31	kredit	100000
Maryati	Jl. MT. Haryono 31	kredit	200000
Sari Murti	Jl. Pangandaran 11	kredit	357000
Suparman	Jl. Hasanudin 81	kredit	100000
Suparman	Jl. Hasanudin 81	kredit	50000
Suparman	Jl. Hasanudin 81	kredit	50000
Sutopo	Jl. Jendral Sudirman 12	kredit	520000
Sutopo	Jl. Jendral Sudirman 12	kredit	200000
Sutopo	Jl. Jendral Sudirman 12	kredit	100000

```
17 rows in set (0.00 sec)

MariaDB [perbankan]>
```

2.

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

MariaDB [perbankan]> select rekening.no rekening, nasabah.nama nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where nasabah.id_n
asabah=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and transaksi.tanggal='2009-11-21' order by nasabah.nama_nasabah;
+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
|          105 | Superman     | debit           | 40000  |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [perbankan]>
```

3.

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

MariaDB [perbankan]> select rekening.no rekening, nasabah.nama nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where nasabah.id_n
asabah=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and transaksi.jumlah=20000;
+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
|          101 | Kartika Padmasari | kredit         | 20000  |
|          102 | Budi Eko Prayogo | debit          | 20000  |
|          101 | Kartika Padmasari | kredit         | 20000  |
|          102 | Budi Eko Prayogo | debit          | 20000  |
|          110 | Canka Lokananta  | debit          | 20000  |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [perbankan]>
```

4.

```

Command Prompt - mysql -u root -p
5 rows in set (0.00 sec)

MariaDB [perbankan]> select no_rekening, nama_nasabah, alamat_nasabah from rekening, nasabah, nasabah_has_rekening where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK and rekening.no_rekening=nasabah_has_rekening.no_rekeningFK and nama_nasabah LIKE 'Su%';
+-----+-----+-----+
| no_rekening | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 104         | Sutopo       | Jl. Jendral Sudirman 12 |
| 105         | Suparman     | Jl. Hasanudin 81        |
| 106         | Suparman     | Jl. Hasanudin 81        |
+-----+-----+-----+
3 rows in set (0.00 sec)

MariaDB [perbankan]>

```

5.

```

Command Prompt - mysql -u root -p
3 rows in set (0.00 sec)

MariaDB [perbankan]> select no_rekening as 'Nomor Rekening', nama_nasabah as 'Nama Nasabah', jumlah as 'Jumlah Transaksi' from rekening, nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and transaksi.jenis_transaksi='debit' order by nasabah.nama_nasabah;
+-----+-----+-----+
| Nomor Rekening | Nama Nasabah | Jumlah Transaksi |
+-----+-----+-----+
| 109             | Anggit       | 700000            |
| 109             | Anggit       | 700000            |
| 109             | Anggit       | 700000            |
| 109             | Anggit       | 700000            |
| 102             | Budi Eko Prayogo | 50000             |
| 110             | Budi Eko Prayogo | 26000             |
| 102             | Budi Eko Prayogo | 20000             |
| 102             | Budi Eko Prayogo | 20000             |
| 103             | Budi Eko Prayogo | 263000            |
| 108             | Budi Murtono   | 100000            |
| 110             | Canka Lokananta | 20000             |
| 109             | Indri Hapsari  | 100000            |
| 101             | Jon Koplo      | 970000            |
| 101             | Jon Koplo      | 850000            |
| 101             | Kartika Padmasari | 50000             |
| 107             | Kartika Padmasari | 100000            |
| 103             | Maryati        | 100000            |
| 103             | Maryati        | 40000             |
| 103             | Maryati        | 50000             |
| 103             | Maryati        | 40000             |
| 110             | Maryati        | 547000            |
| 106             | Satria Eka Jaya | 125000            |
| 105             | Suparman       | 50000             |
| 106             | Suparman       | 50000             |
| 105             | Suparman       | 40000             |
| 104             | Sutopo         | 50000             |
| 104             | Sutopo         | 50000             |
+-----+-----+-----+
27 rows in set (0.00 sec)

MariaDB [perbankan]>

```

Soal Sendiri

6. Menampilkan nama nasabah, alamat nasabah, jenis transaksi dan jumlah transaksi dimana jenis transaksinya adalah debit dan diurutkan berdasarkan jumlah transaksi.

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

MariaDB [perbankan]> select nasabah.nama_nasabah, nasabah.alamat_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK and transaksi.jenis_transaksi='debit' order by transaksi.jumlah;

+-----+-----+-----+-----+
| nama_nasabah | alamat_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| Budi Eko Prayogo | Jl. Kantil 30 | debit | 20000 |
| Budi Eko Prayogo | Jl. Kantil 30 | debit | 20000 |
| Canka Lokananta | Jl. Tidar 86 | debit | 20000 |
| Budi Eko Prayogo | Jl. Kantil 30 | debit | 26000 |
| Suparman | Jl. Hasanudin 81 | debit | 40000 |
| Maryati | Jl. MT. Haryono 31 | debit | 40000 |
| Maryati | Jl. MT. Haryono 31 | debit | 40000 |
| Suparman | Jl. Hasanudin 81 | debit | 50000 |
| Sutopo | Jl. Jendral Sudirman 12 | debit | 50000 |
| Kartika Padmasari | Jl. Manggis 15 | debit | 50000 |
| Budi Eko Prayogo | Jl. Kantil 30 | debit | 50000 |
| Maryati | Jl. MT. Haryono 31 | debit | 50000 |
| Sutopo | Jl. Jendral Sudirman 12 | debit | 50000 |
| Suparman | Jl. Hasanudin 81 | debit | 50000 |
| Budi Murtono | Jl. Merak 22 | debit | 100000 |
| Maryati | Jl. MT. Haryono 31 | debit | 100000 |
| Indri Hapsari | Jl. Sutoyo 5 | debit | 100000 |
| Kartika Padmasari | Jl. Manggis 15 | debit | 100000 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 | debit | 125000 |
| Budi Eko Prayogo | Jl. Kantil 30 | debit | 263000 |
| Maryati | Jl. MT. Haryono 31 | debit | 547000 |
| Anggit | Solo | debit | 700000 |
| Anggit | Solo | debit | 700000 |
| Anggit | Solo | debit | 700000 |
| Anggit | Solo | debit | 700000 |
| Jon Koplo | Jl. Angin Besar 12 | debit | 8500000 |
| Jon Koplo | Jl. Angin Besar 12 | debit | 9700000 |
+-----+-----+-----+-----+
27 rows in set (0.01 sec)

MariaDB [perbankan]>
```

7. Menampilkan nomor rekening, nama nasabah, jenis transaksi dan jumlah transaksi yang melakukan transaksi pada tanggal 24 Mei 2017 dan diurutkan berdasarkan nam nasabah.

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

MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and transaksi.tanggal='2017-05-24' order by nasabah.nama_nasabah;

+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| 110 | Budi Eko Prayogo | debit | 26000 |
| 111 | Budi Murtono | kredit | 250000 |
| 103 | Indri Hapsari | kredit | 130000 |
| 110 | Maryati | debit | 547000 |
| 101 | Sari Murti | kredit | 357000 |
| 106 | Satria Eka Jaya | debit | 125000 |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)

MariaDB [perbankan]>
```

8. Menampilkan nomor rekening, nama nasabah, jenis transaksi dan jumlah transaksi dimana jumlah transaksinya adalah Rp. 50000.

```
Command Prompt - mysql -u root -p
6 rows in set (0.00 sec)

MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and transaksi.jumlah=50000;
+-----+-----+-----+-----+
| no_rekening | nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| 105 | Suparman | debit | 50000 |
| 106 | Suparman | debit | 50000 |
| 105 | Suparman | kredit | 50000 |
| 104 | Sutopo | debit | 50000 |
| 103 | Maryati | debit | 50000 |
| 102 | Budi Eko Prayogo | debit | 50000 |
| 106 | Suparman | kredit | 50000 |
| 104 | Sutopo | debit | 50000 |
| 101 | Kartika Padmasari | debit | 50000 |
+-----+-----+-----+-----+
9 rows in set (0.00 sec)

MariaDB [perbankan]>
```

9. Menampilkan nomor rekening, nama nasabah dan alamat nasabah dimana nama nasabah diawali dengan kata 'Sa'.

```
Command Prompt - mysql -u root -p
9 rows in set (0.00 sec)

MariaDB [perbankan]>
MariaDB [perbankan]> select no_rekening, nama_nasabah, alamat_nasabah from rekening, nasabah, nasabah_has_rekening where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK and rekening.no_rekening=nasabah_has_rekening.no_rekeningFK and nama_nasabah LIKE 'Sa%';
+-----+-----+-----+
| no_rekening | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 109 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 112 | Sari Murti | Jl. Pangandaran 11 |
+-----+-----+-----+
2 rows in set (0.00 sec)

MariaDB [perbankan]>
```

10. Menampilkan nomor rekening alias 'Nomor Rekening', nama nasabah alias 'Nama Nasabah' jumlah transaksi alias 'Jumlah Transaksi' dimana jenis transaksinya adalah kredit dan diurutkan berdasarkan jumlah transaksi.

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select no_rekening as 'Nomor Rekening', nama_nasabah as 'Nama Nasabah', jumlah as 'Jumlah Transaksi' from rekening, nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK and rekening.no_rekening=transaksi.no_rekeningFK and transaksi.jenis_transaksi='kredit' order by transaksi.jumlah;
+-----+-----+-----+
| Nomor Rekening | Nama Nasabah | Jumlah Transaksi |
+-----+-----+-----+
| 101 | Kartika Padmasari | 20000 |
| 101 | Kartika Padmasari | 20000 |
| 107 | Budi Eko Prayogo | 30000 |
| 106 | Suparman | 50000 |
| 105 | Suparman | 50000 |
| 103 | Maryati | 100000 |
| 105 | Suparman | 100000 |
| 104 | Sutopo | 100000 |
| 103 | Indri Hapsari | 130000 |
| 110 | Canka Lokananta | 150000 |
| 104 | Sutopo | 200000 |
| 107 | Kartika Padmasari | 200000 |
| 103 | Maryati | 200000 |
| 102 | Budi Eko Prayogo | 200000 |
| 111 | Budi Murtono | 250000 |
| 101 | Sari Murti | 357000 |
| 111 | Sutopo | 520000 |
+-----+-----+-----+
17 rows in set (0.03 sec)

MariaDB [perbankan]>
```