Modul 6

Nama   : Damar Fatika Sari

NIM   : L200180126

Kelas   : E

Query Standart dan Variasinya.


```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\user>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>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 perbankan;
Database changed
MariaDB [perbankan]> SELECT nama_cabang,alamat_cabang FROM cabang_bank ORDER BY nama_cabang;
+-------------------------+--------------------+
| nama_cabang             | alamat_cabang      |
+-------------------------+--------------------+
| Bank Rut Unit Aceh      | Aceh               |
| Bank Rut Unit Boyolali  | Jl.Ahmad Yani 45   |
| Bank Rut Unit Cirebon   | Cirebon            |
| Bank Rut Unit Demak     | Demak              |
| Bank Rut Unit Gorontalo | Gorontalo          |
| Bank Rut Unit Jakarta   | Jakarta            |
| Bank Rut Unit Klaten    | Jl.Suparman 23     |
| Bank Rut Unit Manado    | Manado             |
| Bank Rut Unit NTT       | Nusa Tenggara Timur|
| Bank Rut Unit Pekalongan| Pekalongan         |
| Bank Rut Unit Rembang   | Rembang            |
| Bank Rut Unit Surakarta | Jl.Slamet Riyadi 18|
| Bank Rut Unit Ternate   | Ternate            |
| Bank Rut Unit Wonogiri  | Jalan A.Yani No. 23|
| Bank Rut Unit Yogyakarta| Jl.Anggrek 21      |
+-------------------------+--------------------+
15 rows in set (2.575 sec)
```

```
MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY saldo DESC;
+-------------+------+---------+
| no_rekening | pin  | saldo   |
+-------------+------+---------+
|         108 | 0    | 5000000 |
|         106 | 6666 | 3000000 |
|         105 | 5555 | 2000000 |
|         107 | 7777 | 1000000 |
|         116 | 3445 |  900000 |
|         104 | 4444 |  900000 |
|         120 | 7646 |  895000 |
|         103 | 333  |  750000 |
|         115 | 8345 |  750000 |
|         123 | 9046 |  700000 |
|         121 | 1246 |  605000 |
|         122 | 3146 |  600000 |
|         110 | 1234 |  550000 |
|         114 | 2345 |  500000 |
|         118 | 2446 |  475000 |
|         117 | 2945 |  450000 |
|         119 | 4546 |  405000 |
|         102 | 2222 |  350000 |
|         112 | 123  |  300000 |
|         113 | 8888 |  255000 |
|         111 | 4321 |  150000 |
|         101 | 1111 |   50000 |
|         109 | 9999 |       0 |
+-------------+------+---------+
23 rows in set (0.001 sec)

MariaDB [perbankan]>
```

TUGAS

1.

```
MariaDB [perbankan]> SELECT nama_nasabah,alamat_nasabah FROM nasabah ORDER BY nama_nasa
+-------------------+------------------------+
| nama_nasabah      | alamat_nasabah         |
+-------------------+------------------------+
| Budi Eko Prayogo  | Jl.Kantil 30           |
| Budi Murtono      | Jl.Merak 22            |
| Canka Lokanata    | Jl.Tidar 86            |
| Dila              | Wonogiri               |
| Doni              | Boyolali               |
| Kartika Padmasari | Jl.Manggis 15          |
| Kunti             | Cilacap                |
| Lala              | Wonogiri               |
| Maryati           | Jl.MT.Haryono 31       |
| Opal              | Lampung                |
| Pasha             | Bogor                  |
| Saidah            | Lampung                |
| Sari Murti        | Jl.Pangandaran 11      |
| Sasa              | Solo                   |
| Satria Eka Jaya   | Jl.Slamet Riyadi 45    |
| Suparman          | Jl.Hasanudin 81        |
| Surya             | Klaten                 |
| Sutopo            | Jl.Jendral sudirman 12 |
+-------------------+------------------------+
18 rows in set (0.182 sec)
```

2.

```
MariaDB [perbankan]> SELECT jenis_transaksi,jumlah FROM transaksi WHERE jenis_transaksi = 'kredit';
+-----------------+---------+
| jenis_transaksi | jumlah  |
+-----------------+---------+
| kredit          |   30000 |
| kredit          |  200000 |
| kredit          |  150000 |
| kredit          |   50000 |
| kredit          |  550000 |
| kredit          |  860000 |
| kredit          |  900000 |
| kredit          |  500000 |
| kredit          | 2500000 |
| kredit          |  200000 |
| kredit          |  280000 |
| kredit          |  275000 |
| kredit          |  750000 |
| kredit          |  700000 |
| kredit          |  670000 |
+-----------------+---------+
15 rows in set (0.425 sec)
```

3.

```
MariaDB [perbankan]> SELECT jenis_transaksi,jumlah FROM transaksi WHERE tanggal = "2009-11-21" ORDER BY jumlah;
Empty set (0.001 sec)
```

4.

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah,transaksi.jenis_transaksi,transaksi.jumlah FROM nasabah,transaksi
    -> WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND transaksi.jumlah = 20000;
+------------------+-----------------+--------+
| nama_nasabah     | jenis_transaksi | jumlah |
+------------------+-----------------+--------+
| Kartika Padmasari | debit          |  20000 |
| Budi Eko Prayogo  | debit          |  20000 |
+------------------+-----------------+--------+
2 rows in set (0.075 sec)
```

5.

```
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        |
| Surya        | Klaten                 |
+--------------+------------------------+
3 rows in set (0.045 sec)
```

6.

```
MariaDB [perbankan]> SELECT nama_nasabah,alamat_nasabah FROM nasabah WHERE id_nasabah = 1 AND nama_nasabah = "Sutopo";
+--------------+------------------------+
| nama_nasabah | alamat_nasabah         |
+--------------+------------------------+
| Sutopo       | Jl.Jendral sudirman 12 |
+--------------+------------------------+
1 row in set (0.142 sec)
```

7.

```
MariaDB [perbankan]> SELECT no_transaksi,no_rekeningFK FROM transaksi WHERE no_rekeningFK = 104 AND id_nasabahFK = 1
    -> AND jenis_transaksi = "kredit";
+--------------+---------------+
| no_transaksi | no_rekeningFK |
+--------------+---------------+
|            6 |           104 |
+--------------+---------------+
1 row in set (0.001 sec)
```

8.

```
MariaDB [perbankan]> SELECT no_transaksi,no_rekeningFK,jenis_transaksi FROM transaksi
    -> ORDER BY no_transaksi LIMIT 10 OFFSET 5;
+--------------+---------------+-----------------+
| no_transaksi | no_rekeningFK | jenis_transaksi |
+--------------+---------------+-----------------+
|            6 |           104 | kredit          |
|            7 |           110 | kredit          |
|            8 |           102 | debit           |
|            9 |           105 | kredit          |
|           31 |           114 | DEBIT           |
|           32 |           115 | DEBIT           |
|           33 |           116 | kredit          |
|           34 |           117 | debit           |
|           35 |           118 | kredit          |
|           36 |           119 | debit           |
+--------------+---------------+-----------------+
10 rows in set (0.038 sec)
```

9.

```
MariaDB [perbankan]> SELECT no_rekening,pin FROM rekening WHERE saldo IS NOT NULL AND kode_cabangFK = "BRUK";
+-------------+------+
| no_rekening | pin  |
+-------------+------+
|         111 | 4321 |
|         112 | 123  |
|         117 | 2945 |
|         120 | 7646 |
+-------------+------+
4 rows in set (0.051 sec)
```

10. Tampilan no transaksi dan no rekening dimana jenis transaksinya kredit dan jumlahnya tidak boleh kosong . Urutkan berdasarkan no transaksi dan menampilkan 10 baris setelah melewatinya.

```
MariaDB [perbankan]> SELECT no_transaksi,no_rekeningFK FROM transaksi WHERE jenis_transaksi = "kredit"
    -> AND jumlah IS NOT NULL ORDER BY no_transaksi LIMIT 10 OFFSET 3;
+--------------+---------------+
| no_transaksi | no_rekeningFK |
+--------------+---------------+
|            9 |           105 |
|           33 |           116 |
|           35 |           118 |
|           38 |           121 |
|           43 |           126 |
|           44 |           127 |
|           45 |           128 |
|           46 |           129 |
|           47 |           130 |
|           48 |           131 |
+--------------+---------------+
10 rows in set (0.001 sec)
```

11. Tampilan nama nasabah dengan string awalan "Su"

```
MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah WHERE nama_nasabah LIKE '%Su%';
+---------------+
| nama_nasabah  |
+---------------+
| Sutopo        |
| Suparman      |
| Surya         |
+---------------+
3 rows in set (0.001 sec)
```

12. Tampilan nama nasabah yang berasal dari satu cabang bank yang sama.

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah FROM nasabah, nasabah_has_rekening,rekening WHERE
    -> nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK AND
    -> nasabah_has_rekening.no_rekeningFK = rekening.no_rekening AND
    -> rekening.kode_cabangFK = "BRUS";
+-------------------+
| nama_nasabah      |
+-------------------+
| Maryati           |
| Suparman          |
| Kartika Padmasari |
| Kartika Padmasari |
| Budi Eko Prayogo  |
| Budi Eko Prayogo  |
+-------------------+
6 rows in set (0.224 sec)
```

13. Tampilan nama_nasabah yang berasal dari satu cabang_bank yang sama dan memiliki jenis transaksi kredit atau debit.

```
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 = "BRUM" AND
    -> rekening.no_rekening = transaksi.no_rekeningFK AND
    -> (transaksi.jenis_transaksi = "kredit" OR transaksi.jenis_transaksi = "debit");
+--------------+-----------------+
| nama_nasabah | jenis_transaksi |
+--------------+-----------------+
| Suparman     | debit           |
| Sutopo       | kredit          |
| Suparman     | kredit          |
| Kunti        | debit           |
+--------------+-----------------+
4 rows in set (0.148 sec)

MariaDB [perbankan]> SELECT
```

14. Tampilan transaksi nasabah yang berasal dari cabang_bank yang sama.

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p

C:\Users\user>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>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)]>
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> SELECT * FROM transaksi, rekening WHERE
    -> transaksi.no_rekeningFK = rekening.no_rekening AND
    -> rekening.kode_cabangFK = "BRUM";
+-------------+------------+--------------+-----------------+---------------------+--------+-------------+---------------+------+---------+
| 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 |         105 | BRUM          | 5555 | 2000000 |
|           6 |          1 |          104 | kredit          | 2009-11-15 00:00:00 | 200000 |         104 | BRUM          | 4444 |  900000 |
|           9 |          3 |          105 | kredit          | 2009-11-18 00:00:00 |  50000 |         105 | BRUM          | 5555 | 2000000 |
|          36 |         16 |          119 | debit           | 2020-03-30 00:00:00 | 700000 |         119 | BRUm          | 4546 |  405000 |
+-------------+------------+--------------+-----------------+---------------------+--------+-------------+---------------+------+---------+
4 rows in set (2.670 sec)

MariaDB [perbankan]>
```

15. Tampilan transaksi nasabah yang berasal dari cabang_bank boyolali dan Surakarta.

```
MariaDB [perbankan]> SELECT * FROM transaksi, rekening WHERE
    -> transaksi.no_rekeningFK = rekening.no_rekening AND
    -> (rekening.kode_cabangFK = "BRUS" OR rekening.kode_cabangFK = "BRUB");
+-------------+--------------+---------------+-----------------+---------------------+--------+-------------+--------------+------+---------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal             | jumlah | no_rekening | kode_cabangFK | pin  | saldo   |
+-------------+--------------+---------------+-----------------+---------------------+--------+-------------+--------------+------+---------+
|           2 |            2 |           103 | debit           | 2009-11-10 00:00:00 |  40000 |         103 | BRUS         |  333 |  750000 |
|           3 |            4 |           101 | debit           | 2009-11-12 00:00:00 |  20000 |         101 | BRUS         | 1111 |   50000 |
|           4 |            3 |           106 | debit           | 2009-11-13 00:00:00 |  50000 |         106 | BRUS         | 6666 | 3000000 |
|           5 |            5 |           107 | kredit          | 2009-11-13 00:00:00 |  30000 |         107 | BRUS         | 7777 | 1000000 |
|           8 |            5 |           102 | debit           | 2009-11-16 00:00:00 |  20000 |         102 | BRUS         | 2222 |  350000 |
|          38 |           18 |           121 | kredit          | 2020-03-30 00:00:00 | 900000 |         121 | BRUB         | 1246 |  605000 |
+-------------+--------------+---------------+-----------------+---------------------+--------+-------------+--------------+------+---------+
6 rows in set (0.060 sec)

MariaDB [perbankan]> _
```