

Modul 6

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Query Standart dan Variasinya.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 10.0.18362.720]
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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

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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 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.Angrek 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 |
+-----+-----+-----+
| 188 | 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_nasabah
```

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.

```
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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.

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

```
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]> _