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MODUL 6.  
QUERY STANDART DAN VARIASINYA

LATIHAN

```
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 Bandung | Jl. Kamboja 18 |
| Bank Rut Unit Bekasi | Jl. Cempaka Putih 22 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Cilacap | Jl. Tulip 51 |
| Bank Rut Unit Klaten | Jl. Superman 23 |
| Bank Rut Unit Madiun | Jl. Merpati 55 |
| Bank Rut Unit Ngawi | Jl. Angkasa 28 |
| Bank Rut Unit Pacitan | Jl. Edelweis 99 |
| Bank Rut Unit Semarang | Jl. Indahnya 42 |
| Bank Rut Unit Sragen | Jl. Awan Putih 7 |
| Bank Rut Unit Surabaya | Jl. Semangka 56 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Tegal | Jl. Nanas 9 |
| Bank Rut Unit Wonogiri | Jalan A. Yani No.34 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
15 rows in set (0.025 sec)
```

```
MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY saldo DESC
-> ;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 108 | 0 | 5000000 |
| 106 | 6666 | 3000000 |
| 121 | 8765 | 2400000 |
| 119 | 7654 | 2000000 |
| 105 | 5555 | 2000000 |
| 118 | 4567 | 1300000 |
| 120 | 5678 | 1000000 |
| 107 | 7777 | 1000000 |
| 123 | 9876 | 950000 |
| 104 | 4444 | 900000 |
| 122 | 6789 | 800000 |
| 117 | 6543 | 800000 |
| 103 | 3333 | 750000 |
| 116 | 3456 | 700000 |
| 115 | 5432 | 650000 |
| 110 | 1234 | 550000 |
| 101 | 1111 | 500000 |
| 114 | 2345 | 400000 |
| 102 | 2222 | 350000 |
| 112 | 123 | 300000 |
| 113 | 8888 | 255000 |
| 111 | 4321 | 150000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
23 rows in set (0.006 sec)
```

TUGAS

1. Menampilkan nama nasabah dan alamat nasabah diurutkan berdasarkan nama nasabah.

```
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah ORDER BY nama_nasabah;
```

nama_nasabah	alamat_nasabah
Amelia	Jl. Mangga 67
Budi Eko Prayogo	Jl. Kantil 30
Budi Murtono	Jl. Merak 22
Caca Marica	Jl. Mawar 26
Canka Lokananta	Jl. Tidar 86
Dimas	Jl. Tulip 73
Dodo	Jl. Melati 17
Echa	Jl. Terumbu Karang 29
Fitria	Jl. Melodi 8
Hana	Jl. Sunflower 71
Kartika Padmasari	Jl. Manggis 15
Kim	Jl. Anggrek 10
Lani	Jl. Angkasa 44
Maryati	Jl. MT. Haryono 31
Melani	Jl. Mintchoco 12
Sari Murti	Jl. Pangandaran 11
Satria Eka Jaya	Jl. Slamet Riyadi 45
Suparman	Jl. Hasanudin 81
Sutopo	Jl. Jendral Sudirman 12

```
19 rows in set (0.005 sec)
```

2. Menampilkan jenis transaksi dan jumlah transaksi dimana jenis transaksinya adalah kredit.

```
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	100000
kredit	30000
kredit	20000
kredit	70000
kredit	40000
kredit	70000
kredit	100000
kredit	200000
kredit	70000

```
22 rows in set (0.006 sec)
```

3. Menampilkan jenis transaksi dan jumlah transaksi yang melakukan transaksi pada tanggal 21 November 2009 dan diurutkan berdasarkan jumlah transaksi.

```
MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE tanggal = "2009-11-21" ORDER BY jumlah;
```

jenis_transaksi	jumlah
debit	40000

```
1 row in set (0.004 sec)
```

4. Menampilkan nama nasabah, jenis transaksi, dan jumlah transaksi dimana jumlah transaksi = Rp 20.000.

```
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
Kim	kredit	20000
Dodo	kredit	20000
Dimas	kredit	20000
Caca Marica	kredit	20000
Amelia	kredit	20000
Echa	kredit	20000
Melani	kredit	20000
Lani	kredit	20000
Fitria	kredit	20000
Hana	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
Canka Lokananta	debit	20000
Budi Murtono	debit	20000
Kim	debit	20000
Dodo	debit	20000
Dimas	debit	20000
Caca Marica	debit	20000
Amelia	debit	20000
Echa	debit	20000
Melani	debit	20000
Lani	debit	20000
Fitria	debit	20000

5. Menampilkan nama nasabah dan alamat nasabah dimana nama nasabah diawali dengan kata "Su"

```
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 (0.005 sec)

6. Menampilkan jenis\_transaksi dan jumlah dimana jumlah transaksi = Rp 50.000.

```
MariaDB [perbankan]> SELECT jenis_transaksi, jumlah FROM transaksi WHERE jumlah="50000";
```

jenis_transaksi	jumlah
debit	50000
debit	50000
kredit	50000
debit	50000
debit	50000
debit	50000
kredit	50000
debit	50000
debit	50000
debit	50000
debit	50000
debit	50000
debit	50000
debit	50000

14 rows in set (0.001 sec)

7. Menampilkan no\_transaksi, jenis\_transaksi, dan jumlah dimana jenis\_transaksinya adalah debit.

```
MariaDB [perbankan]> SELECT no_transaksi, jenis_transaksi, jumlah FROM transaksi WHERE jenis_transaksi="debit";
```

no_transaksi	jenis_transaksi	jumlah
1	debit	50000
2	debit	40000
4	debit	50000
8	debit	20000
10	debit	100000
11	debit	100000
12	debit	50000
14	debit	40000
17	debit	50000
18	debit	50000
19	debit	100000
23	debit	20000
24	debit	50000
25	debit	40000
26	debit	50000
29	debit	100000
30	debit	20000
31	debit	20000
32	debit	50000
33	debit	50000
36	debit	50000
39	debit	100000
40	debit	200000
42	debit	50000
43	debit	70000
47	debit	40000
48	debit	50000
50	debit	100000

```
28 rows in set (0.001 sec)
```

8. Menampilkan nama\_nasabah 4 baris pertama setelah melewati 8 baris pertama yang telah diurutkan nama

```
MariaDB [perbankan]> SELECT nama_nasabah FROM nasabah ORDER BY nama_nasabah LIMIT 4 OFFSET 8;
```

nama_nasabah
Fitria
Hana
Kartika Padmasari
Kim

```
4 rows in set (0.003 sec)
```

9. Menampilkan id\_nasabah dan nama\_nasabah dimana id\_nasabah tidak NULL dan nama\_nasabah diawali huruf "k"

```
MariaDB [perbankan]> SELECT id_nasabah, nama_nasabah FROM nasabah WHERE id_nasabah IS NOT NULL AND nama_nasabah LIKE "k%";
```

id_nasabah	nama_nasabah
4	Kartika Padmasari
11	Kim

```
2 rows in set (0.042 sec)
```

10. Menampilkan id\_nasabah dan nama\_nasabah dimana id\_nasabah tidak NULL dan nama\_nasabah diawali huruf "s" diurutkan berdasarkan id\_nasabah

```
MariaDB [perbankan]> SELECT id_nasabah, nama_nasabah FROM nasabah WHERE id_nasabah IS NOT NULL AND nama_nasabah LIKE "s%" ORDER BY id_nasabah LIMIT 6 OFFSET 3;
```

id_nasabah	nama_nasabah
8	Sari Murti

```
1 row in set (0.001 sec)
```

- 11.a

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

nama_nasabah
Sutopo
Superman

```
2 rows in set (0.001 sec)
```

11.b

```
MariaDB [perbankan]> SELECT nama_nasabah, kode_cabangFK FROM nasabah, rekening WHERE no_rekening=105;
```

nama_nasabah	kode_cabangFK
Sutopo	BRUM
Maryati	BRUM
Superman	BRUM
Kartika Padmasari	BRUM
Budi Eko Prayogo	BRUM
Satria Eka Jaya	BRUM
Sari Murti	BRUM
Canka Lokananta	BRUM
Budi Murtono	BRUM
Kim	BRUM
Dodo	BRUM
Dimas	BRUM
Caca Marica	BRUM
Amelia	BRUM
Echa	BRUM
Melani	BRUM
Lani	BRUM
Fitria	BRUM
Hana	BRUM

```
19 rows in set (0.006 sec)
```

11.c

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, kode_cabangFK FROM nasabah, rekening, transaksi WHERE no_rekening=105 AND jenis_transaksi = "kredit" OR "debit";
```

nama_nasabah	kode_cabangFK
Sutopo	BRUM
Maryati	BRUM
Superman	BRUM
Kartika Padmasari	BRUM
Budi Eko Prayogo	BRUM
Satria Eka Jaya	BRUM
Sari Murti	BRUM
Canka Lokananta	BRUM
Budi Murtono	BRUM
Kim	BRUM
Dodo	BRUM
Dimas	BRUM
Caca Marica	BRUM
Amelia	BRUM
Echa	BRUM
Melani	BRUM
Lani	BRUM
Fitria	BRUM
Hana	BRUM
Sutopo	BRUM
Maryati	BRUM
Superman	BRUM
Kartika Padmasari	BRUM
Budi Eko Prayogo	BRUM
Satria Eka Jaya	BRUM
Sari Murti	BRUM
Canka Lokananta	BRUM
Budi Murtono	BRUM
Kim	BRUM
Dodo	BRUM
Dimas	BRUM
Caca Marica	BRUM
Amelia	BRUM
Echa	BRUM
Melani	BRUM
Lani	BRUM
Fitria	BRUM

11.d

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, kode_cabangFK FROM nasabah, rekening, transaksi WHERE no_rekening=105;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | kode_cabangFK |
+-----+-----+-----+
| Sutopo       | debit          | BRUM          |
| Maryati      | debit          | BRUM          |
| Suparman     | debit          | BRUM          |
| Kartika Padmasari | debit        | BRUM          |
| Budi Eko Prayogo | debit        | BRUM          |
| Satria Eka Jaya | debit        | BRUM          |
| Sari Murti    | debit          | BRUM          |
| Canka Lokananta | debit        | BRUM          |
| Budi Murtono  | debit          | BRUM          |
| Kim           | debit          | BRUM          |
| Dodo          | debit          | BRUM          |
| Dimas         | debit          | BRUM          |
| Caca Marica   | debit          | BRUM          |
| Amelia        | debit          | BRUM          |
| Echa          | debit          | BRUM          |
| Melani        | debit          | BRUM          |
| Lani          | debit          | BRUM          |
| Fitria        | debit          | BRUM          |
| Hana          | debit          | BRUM          |
| Sutopo       | debit          | BRUM          |
| Maryati      | debit          | BRUM          |
| Suparman     | debit          | BRUM          |
| Kartika Padmasari | debit        | BRUM          |
| Budi Eko Prayogo | debit        | BRUM          |
| Satria Eka Jaya | debit        | BRUM          |
| Sari Murti    | debit          | BRUM          |
| Canka Lokananta | debit        | BRUM          |
| Budi Murtono  | debit          | BRUM          |
| Kim           | debit          | BRUM          |
| Dodo          | debit          | BRUM          |
| Dimas         | debit          | BRUM          |
| Caca Marica   | debit          | BRUM          |
| Amelia        | debit          | BRUM          |
| Echa          | debit          | BRUM          |
| Melani        | debit          | BRUM          |
| Lani          | debit          | BRUM          |
+-----+-----+-----+
```

11.e

```
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, kode_cabangFK FROM nasabah, rekening, transaksi WHERE kode_cabangFK = "BRUB" AND kode_cabangFK = "BRUS";
Empty set (0.001 sec)

MariaDB [perbankan]>
```