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LATIHAN PRAKTIKUM BASIS DATA

```
Command Prompt - mysql -u root -p
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 Boyolali | Jl.Ahmad Yani 45 |
| Bank Rut Unit Surakarta | Jl.Slamet Riyadi 18 |
| Bank Rut Unit Wonogiri | Jl.Untung Suropati 12 |
| Bank Rut Unit Yogyakarta | Jl.Anggrek 21 |
+-----+-----+
4 rows in set (0.374 sec)

MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY saldo DESC;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 101 | 1111 | 5000000 |
| 108 | 0000 | 5000000 |
| 106 | 6666 | 3000000 |
| 105 | 5555 | 2000000 |
| 107 | 7777 | 1000000 |
| 104 | 4444 | 900000 |
| 103 | 3333 | 750000 |
| 110 | 1234 | 550000 |
| 102 | 2222 | 350000 |
| 112 | 0123 | 300000 |
| 113 | 8888 | 255000 |
| 111 | 4321 | 150000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
13 rows in set (0.089 sec)

MariaDB [perbankan]>
```

TUGAS

No.1 Tampilkan nama nasabah dan alamat nasabah diurutkan berdasarkan nama nasabah.

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah ORDER BY nama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| ana | pemalang |
| ani | semarang |
| Budi | Jl.Kantil 30 |
| Budi | Jl.Merak 22 |
| Canka | Jl.Tidar 86 |
| ina | salatiga |
| kartika | Jl.manggis 15 |
| lala | solo |
| lili | beli |
| lulu | tegal |
| maryati | Jl.MT.Haryono |
| nimas | sidorejo |
| pangesti | klaten |
| Sari | Jl.Pangandaran 11 |
| satria | Jl.Slamet Riyadi 45 |
| Suparman | Jl.Hasanudin 81 |
| Sutopo | Jl.Jendral Sudirman 12 |
| woro | bonangan |
| yaya | bandung |
+-----+-----+
19 rows in set (0.043 sec)
```

No.2 Tampilkan 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	200000
kredit	100000
kredit	100000
kredit	200000
kredit	100000
kredit	40000

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No.3 Tampilkan jenis transaksi dan jumlah transaksi yg melakukan transaksi tgl 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 (0.112 sec)

No.4 Tampilkan nama nasabah, jenis transaksi dan jumlah transaksi dimana jumlah transaksi =Rp 20.000.

```
MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where jumlah LIKE 20000;
```

nama_nasabah	jenis_transaksi	jumlah
sutopo	kredit	20000
maryati	kredit	20000
Suparman	kredit	20000
kartika	kredit	20000
Budi	kredit	20000
satria	kredit	20000
Sari	kredit	20000
Canka	kredit	20000
Budi	kredit	20000
nimas	kredit	20000
woro	kredit	20000
pangesti	kredit	20000
Iala	kredit	20000
lili	kredit	20000
lulu	kredit	20000
ana	kredit	20000
ani	kredit	20000
ina	kredit	20000
yaya	kredit	20000
sutopo	debit	20000
maryati	debit	20000
Suparman	debit	20000
kartika	debit	20000
Budi	debit	20000
satria	debit	20000
Sari	debit	20000
Canka	debit	20000
Budi	debit	20000
nimas	debit	20000
woro	debit	20000
pangesti	debit	20000

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No.5 tampilkan nama nasabah dan alamat nasabah dimana nama nasabah diawali dg 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 (0.001 sec)

No.6 menampilkan nama nasabah berawalan “L” dg jumlah “200000”

```
MariaDB [perbankan]> select nama_nasabah, jumlah from nasabah, transaksi where jumlah=200000 AND nama_nasabah LIKE "L%";
```

nama_nasabah	jumlah
lala	200000
lili	200000
lulu	200000
lala	200000
lili	200000
lulu	200000
lala	200000
lili	200000
lulu	200000
lala	200000
lili	200000
lulu	200000
lala	200000
lili	200000
lulu	200000
lala	200000
lili	200000
lulu	200000
lala	200000
lili	200000
lulu	200000

21 rows in set (0.027 sec)

No.7 menampilkan nama nasabah, jenis transaksi, dan kode cabang, dimana jenis transaksi “kredit”, dg nama awalan nasabah “sa”, dan kode cabang BRUB, serta diurutkan dari nama nasabah

```
MariaDB [perbankan]> SELECT nama_nasabah, jenis_transaksi, kode_cabang from nasabah, transaksi, cabang_bank  
-> where jenis_transaksi LIKE "kredit" AND nama_nasabah LIKE "sa%" AND kode_cabang LIKE "BRUB"  
-> ORDER BY nama_nasabah;
```

nama_nasabah	jenis_transaksi	kode_cabang
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
sari murti	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB
satrio eka jaya	kredit	BRUB

24 rows in set (0.155 sec)

No.8 menampilkan 5 nama nasabah, dan kode cabang, berdasarkan urutan nama nasabah dg ketentuan setelah urutan ke 4

```
MariaDB [perbankan]> select nama_nasabah, kode_cabang from nasabah, cabang_bank ORDER BY nama_nasabah LIMIT 5 OFFSET 4;
```

nama_nasabah	kode_cabang
ani	BRUB
ani	BRUB
ani	BRUB
ani	BRUB
Budi	BRUB

5 rows in set (0.114 sec)

No.9 menampilkan nama nasabah berawalan “su” dan id nasabah yang bersifat NULL

```
5 rows in set (0.114 sec)

MariaDB [perbankan]> select nama_nasabah, id_nasabah from nasabah where id_nasabah IS NULL AND nama_nasabah LIKE "su%";
Empty set (0.073 sec)
```

No.10 menampilkan nama nasabah berawalan “su”, id nasabah , dan jenis transaksi , dg ketentuan setelah data urutan pertama yang jenis transaksinya bersifat null.

```
MariaDB [perbankan]> select nama_nasabah, id_nasabah, jenis_transaksi from nasabah, transaksi where jenis_transaksi IS NOT NULL AND nama_nasabah LIKE "su%" ORDER BY id_nasabah LIMIT 10 OFFSET 3;
```

nama_nasabah	id_nasabah	jenis_transaksi
sutopo	1	debit
sutopo	1	kredit
sutopo	1	debit
sutopo	1	kredit
sutopo	1	debit
sutopo	1	kredit
sutopo	1	debit
sutopo	1	debit
sutopo	1	kredit
sutopo	1	kredit

```
10 rows in set (0.012 sec)

MariaDB [perbankan]>
```

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