

## Tugas Praktikum Sistem Basis Data

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Modul : 7 (Tugas Membuat 5 Soal)

### Nomor 1.

Tampilkan nomor rekening, pin, dan saldo dari semua rekening dan diurutkan berdasarkan pin dari yang terbesar ke terkecil.

➤ *SELECT no\_rekening, pin, saldo FROM rekening ORDER BY pin DESC;*

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.00 sec)

MariaDB [perbankan]> describe rekening;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| no_rekening | int(11)       | NO   | PRI | NULL    |       |
| kode_cabang | varchar(20)   | YES  |     | NULL    |       |
| pin         | varchar(20)   | YES  |     | NULL    |       |
| saldo       | int(11)       | YES  |     | NULL    |       |
+-----+
4 rows in set (0.02 sec)

MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY pin DESC;
+-----+
| no_rekening | pin | saldo |
+-----+
| 109         | 9999 | 0      |
| 113         | 8888 | 255000 |
| 107         | 7777 | 100000 |
| 106         | 6666 | 300000 |
| 105         | 5555 | 200000 |
| 104         | 4444 | 900000 |
| 111         | 4321 | 150000 |
| 103         | 3333 | 750000 |
| 102         | 2222 | 350000 |
| 110         | 1234 | 550000 |
| 101         | 1111 | 500000 |
| 112         | 0123 | 300000 |
| 108         | 0000 | 500000 |
+-----+
13 rows in set (0.00 sec)
```

### Nomor 2.

Tampilkan nomor rekening, nama nasabah, dan saldo dari semua rekening yang dimiliki nasabah dan diurutkan berdasarkan nomor rekening.

➤ *SELECT rekening.no\_rekening, nasabah.nama\_nasabah, rekening.saldo FROM rekening, nasabah, nasabah\_has\_rekening WHERE nasabah.id\_nasabah = nasabah\_has\_rekening.id\_nasabah AND rekening.no\_rekening = nasabah\_has\_rekening.no\_rekening ORDER BY rekening.no\_rekening;*

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, rekening.saldo FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nasabah = nasabah_has_rekening.id_nasabah AND rekening.no_rekening = nasabah_has_rekening.no_rekening ORDER BY rekening.no_rekening;
+-----+
| no_rekening | nama_nasabah | saldo |
+-----+
| 101         | Kartika Padmasari | 500000 |
| 102         | Budi Eko Prayogo | 350000 |
| 103         | Maryati         | 750000 |
| 104         | Sutopo          | 900000 |
| 105         | Suparman        | 200000 |
| 106         | Kartika Padmasari | 300000 |
| 107         | Budi Eko Prayogo | 100000 |
| 108         | Budi Murtono     | 500000 |
| 109         | Satria Eka Jaya  | 0      |
| 109         | Indri Hapsari    | 0      |
| 110         | Canka Locananta  | 550000 |
| 111         | Sari Murti       | 150000 |
| 112         | Sari Murti       | 300000 |
| 113         | Budi Murtono     | 255000 |
+-----+
14 rows in set (0.00 sec)
```

### Nomor 3.

Tampilkan nomor rekening, nama nasabah, dan alamat nasabah dari semua nasabah yang memiliki rekening dan diurutkan berdasarkan alamat nasabah.

- *SELECT rekening.no\_rekening, nasabah.nama\_nasabah, nasabah.alamat\_nasabah FROM rekening, nasabah, nasabah\_has\_rekening WHERE nasabah.id\_nasabah = nasabah\_has\_rekening.id\_nasabah AND rekening.no\_rekening = nasabah\_has\_rekening.no\_rekening ORDER BY nasabah.alamat\_nasabah;*

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, nasabah.alamat_nasabah FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nasabah = nasabah_has_rekening.id_nasabah AND rekening.no_rekening = nasabah_has_rekening.no_rekening ORDER BY nasabah.alamat_nasabah;
```

no_rekening	nama_nasabah	alamat_nasabah
105	Suparman	Jl. Hasanudin 81
104	Sutopo	Jl. Jendral Sudirman 12
102	Budi Eko Prayogo	Jl. Kanti 30
107	Budi Eko Prayogo	Jl. Kanti 30
101	Kartika Padmasari	Jl. Manggis 15
106	Kartika Padmasari	Jl. Manggis 15
108	Budi Murtoto	Jl. Merak 22
113	Budi Murtoto	Jl. Merak 22
103	Maryati	Jl. MT Haryono 31
111	Sari Murti	Jl. Pangandaran
112	Sari Murti	Jl. Pangandaran
109	Satria Eka Jaya	Jl. Slamet Riyadi 45
109	Indri Hapsari	Jl. Sutoyo
110	Canka Locananta	Jl. Tidar 86

14 rows in set (0.00 sec)

### Nomor 4.

Tampilkan nomor rekening, nama nasabah, jenis transaksi, dan jumlah transaksi dimana jumlah transaksi = Rp 100.000

- *SELECT rekening.no\_rekening, nasabah.nama\_nasabah, transaksi.jenis\_transaksi, transaksi.jumlah FROM nasabah, transaksi, rekening WHERE rekening.no\_rekening = transaksi.no\_rekening AND nasabah.id\_nasabah = transaksi.id\_nasabah AND transaksi.jumlah = 100000;*

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM nasabah, transaksi, rekening WHERE rekening.no_rekening = transaksi.no_rekening AND nasabah.id_nasabah = transaksi.id_nasabah AND transaksi.jumlah = 100000;
```

no_rekening	nama_nasabah	jenis_transaksi	jumlah
107	Kartika Padmasari	debit	100000
103	Maryati	debit	100000

2 rows in set (0.00 sec)

### Nomor 5.

Tampilkan nomor rekening, nama nasabah, dan alamat nasabah dimana nama nasabah diawali dengan kata "Sa".

- *SELECT rekening.no\_rekening, nasabah.nama\_nasabah, nasabah.alamat\_nasabah FROM nasabah, rekening, nasabah\_has\_rekening WHERE nasabah.id\_nasabah = nasabah\_has\_rekening.id\_nasabah AND rekening.no\_rekening = nasabah\_has\_rekening.no\_rekening AND nasabah.nama\_nasabah LIKE 'Sa%';*

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, nasabah.alamat_nasabah FROM nasabah, rekening, nasabah_has_rekening WHERE nasabah.id_nasabah = nasabah_has_rekening.id_nasabah AND rekening.no_rekening = nasabah_has_rekening.no_rekening AND nasabah.nama_nasabah LIKE 'Sa%';
```

no_rekening	nama_nasabah	alamat_nasabah
109	Satria Eka Jaya	Jl. Slamet Riyadi 45
111	Sari Murti	Jl. Pangandaran
112	Sari Murti	Jl. Pangandaran

3 rows in set (0.00 sec)