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MODUL 8 TUGAS

AGREGASI

1.

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select jenis_transaksi as "Jenis Transaksi", jumlah as "Jumlah(Rp)", count(jumlah) as "Total Transaksi"
-> from transaksi, nasabah where nasabah.id_nasabah=transaksi.id_nasabahFK
-> and nasabah.nama_nasabah in("Kartika Padmasari") group by jenis_transaksi;
```

Jenis Transaksi	Jumlah(Rp)	Total Transaksi
DEBIT	100000	2
KREDIT	20000	4

2 rows in set (0.11 sec)

2.

```
MariaDB [perbankan]> select nama_nasabah as "Nama Nasabah", sum(saldo) as "Saldo(Rp)"
-> from nasabah, rekening, nasabah_has_rekening where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK
-> and rekening.no_rekening=nasabah_has_rekening.no_rekeningFK and nama_nasabah='Maryati';
```

Nama Nasabah	Saldo(Rp)
MARYATI	750000

1 row in set (0.13 sec)

3.

```
MariaDB [perbankan]> select cabang_bank.nama_cabang as 'Nama Cabang', count(jumlah) as 'Jumlah Transaksi'
-> from cabang_bank, transaksi, rekening where cabang_bank.kode_cabang=rekening.kode_cabangFK
-> and rekening.no_rekening=transaksi.no_rekeningFK group by cabang_bank.nama_cabang order by cabang_bank.nama_cabang;
```

Nama Cabang	Jumlah Transaksi
Bank Rut Unit Boyolali	6
Bank Rut Unit Cawas	4
Bank Rut Unit Delanggu	1
Bank Rut Unit Klaten	2
Bank Rut Unit Nglipar	1
Bank Rut Unit Surakarta	21
Bank Rut Unit Ungaran	1
Bank Rut Unit Yogyakarta	3

8 rows in set (0.02 sec)

4.

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah as "Nama Nasabah", saldo as "Jumlah Saldo(Rp)"
-> from nasabah, rekening, transaksi where transaksi.no_rekeningFK=rekening.no_rekening
-> and transaksi.id_nasabahFK=nasabah.id_nasabah
-> and rekening.saldo between 500000 and 2000000;
+-----+-----+
| Nama Nasabah | Jumlah Saldo(Rp) |
+-----+-----+
| SUPARMAN     | 2000000           |
| MARYATI      | 750000            |
| Kartika Padmasari | 500000           |
| Budi Eko Prayogo | 1000000           |
| SUTOPO       | 900000            |
| Canka Lokananta | 550000            |
| SUPARMAN     | 2000000           |
| Kartika Padmasari | 1000000           |
| MARYATI      | 750000            |
| SUTOPO       | 900000            |
| Kartika Padmasari | 1000000           |
| SUPARMAN     | 2000000           |
| SUTOPO       | 900000            |
| Kartika Padmasari | 500000           |
| MARYATI      | 750000            |
| MARYATI      | 750000            |
| SUPARMAN     | 2000000           |
| SUTOPO       | 900000            |
| MARYATI      | 750000            |
| Kartika Padmasari | 500000           |
| MARYATI      | 750000            |
| Leonard      | 500000            |
| Ronald Weho   | 900000            |
| Rifan Anwar   | 1500000           |
| MARYATI      | 750000            |
| SUTOPO       | 900000            |
| Kartika Padmasari | 1000000           |
| SUPARMAN     | 2000000           |
| Sonnia Amalia | 500000            |
| Roban Aliman  | 500000            |
+-----+-----+
30 rows in set (0.00 sec)
```

5.

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah as "Nama Nasabah", tanggal as "Tanggal Transaksi", sum(jumlah) as "Jumlah(Rp)"
-> from nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK
-> and transaksi.jumlah >100000 group by nama_nasabah, jumlah order by jumlah desc;
+-----+-----+-----+
| Nama Nasabah | Tanggal Transaksi | Jumlah(Rp) |
+-----+-----+-----+
| Nizar Armando | 2020-04-21 17:16:21 | 4500000 |
| SUPARMAN | 2020-04-21 17:16:21 | 2000000 |
| Rifan Anwar | 2020-04-21 17:16:21 | 1500000 |
| Leonard | 2020-04-21 17:16:21 | 1000000 |
| Nizar Armando | 2020-04-21 17:16:21 | 1000000 |
| SUPARMAN | 2020-04-21 17:16:21 | 990000 |
| SUTOPO | 2020-04-21 17:16:21 | 500000 |
| Sari Murti | 2020-04-21 17:16:21 | 500000 |
| Leonard | 2020-04-21 17:16:21 | 500000 |
| Sonnia Amalia | 2020-04-21 17:16:21 | 500000 |
| Satria Eka Jaya | 2020-04-21 17:16:21 | 400000 |
| Kartika Padmasari | 2020-04-21 15:46:24 | 200000 |
| MARYATI | 2020-04-21 15:46:24 | 200000 |
| SUTOPO | 2020-04-21 15:46:24 | 200000 |
| Budi Eko Prayogo | 2020-04-21 15:46:24 | 200000 |
| Roban Aliman | 2020-04-21 17:16:21 | 200000 |
| Kartika Padmasari | 2020-04-21 17:16:21 | 150000 |
| Canka Lokananta | 2020-04-21 15:46:24 | 150000 |
+-----+-----+-----+
18 rows in set (0.00 sec)

MariaDB [perbankan]> 
```

6.

- Tampilkan no rekening nasabah, total jumlah transaksi untuk setiap jenis transaksi dan diurutkan berdasarkan urutan trsansi.

```
MariaDB [perbankan]> select no_rekeningFK as "No Rekening Nasabah", SUM(jumlah) as "Jumlah(Rp)"
-> from transaksi group by transaksi.jenis_transaksi order by transaksi.jenis_transaksi;
+-----+-----+
| No Rekening Nasabah | Jumlah(Rp) |
+-----+-----+
| 105 | 16080000 |
| 101 | 5560000 |
+-----+-----+
2 rows in set (0.00 sec)
```

- Tampilkan nama nasabah, jenis transaksi, dan rata-rata jumlah transaksi untuk setiap nasabah yang melakukan transaksi diurutkan berdasarkan rata-rata jumlah transaksi.

```

Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah as "Nama Nasabah", jenis_transaksi as "Jenis Transaksi", avg(jumlah) as "Rata-rata(Rp)"
-> from nasabah,transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK group by nama_nasabah, jenis_transaksi order by "Rata-rata(Rp)";
+-----+-----+-----+
| Nama Nasabah | Jenis Transaksi | Rata-rata(Rp) |
+-----+-----+-----+
| SUPARMAN     | DEBIT           | 535000.0000   |
| MARYATI      | DEBIT           | 66000.0000    |
| Kartika Padmasari | KREDIT        | 97500.0000    |
| Budi Eko Prayogo | KREDIT        | 115000.0000   |
| SUTOPO       | KREDIT         | 266666.6667   |
| Canka Lokananta | KREDIT         | 150000.0000   |
| Budi Eko Prayogo | DEBIT          | 30000.0000    |
| SUPARMAN     | KREDIT         | 297500.0000   |
| Kartika Padmasari | DEBIT          | 75000.0000    |
| SUTOPO       | DEBIT          | 50000.0000    |
| Budi Murtono  | DEBIT          | 100000.0000   |
| MARYATI      | KREDIT         | 150000.0000   |
| Leonard      | DEBIT          | 750000.0000   |
| Ronald Weho   | DEBIT          | 100000.0000   |
| Mario Susanto | DEBIT          | 50000.0000    |
| Nizar Armando | KREDIT         | 1000000.0000  |
| Rifan Anwar   | KREDIT         | 150000.0000   |
| Sari Murti    | DEBIT          | 500000.0000   |
| Nizar Armando | DEBIT          | 4500000.0000  |
| Satria Eka Jaya | DEBIT          | 400000.0000   |
| Sonnia Amalia | DEBIT          | 500000.0000   |
| Roban Aliman  | DEBIT          | 200000.0000   |
+-----+-----+-----+
22 rows in set (0.00 sec)

MariaDB [perbankan]>

```

- Tampilkan jumlah total saldo yang dimiliki oleh cabang.

```

Command Prompt - mysql -u root -p
MariaDB [perbankan]> select SUM(saldo) as 'Total Saldo (Bank Rut Unit Cawas)'
-> from rekening where rekening.kode_cabangFK='BRUC';
+-----+
| Total Saldo (Bank Rut Unit Cawas) |
+-----+
| 4800000 |
+-----+
1 row in set (0.00 sec)

```

- Tampilkan nama nasabah, tanggal transaksi, dan jumlah transaksi dimana jumlah transaksi diatas Rp 200000 dan urutkan berdasarkan jumlah transaksi dari yang besar ke yang kecil.

```

C:\> Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah as "Nama Nasabah", tanggal as "Tanggal Transaksi", SUM(jumlah) as 'Jumlah(Rp)'
-> from nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK
-> and transaksi.jumlah >200000 group by nama_nasabah, jumlah order by jumlah desc;
+-----+-----+-----+
| Nama Nasabah | Tanggal Transaksi | Jumlah(Rp) |
+-----+-----+-----+
| Nizar Armando | 2020-04-21 17:16:21 | 4500000 |
| SUPARMAN | 2020-04-21 17:16:21 | 2000000 |
| Rifan Anwar | 2020-04-21 17:16:21 | 1500000 |
| Nizar Armando | 2020-04-21 17:16:21 | 1000000 |
| Leonard | 2020-04-21 17:16:21 | 1000000 |
| SUPARMAN | 2020-04-21 17:16:21 | 990000 |
| SUTOPO | 2020-04-21 17:16:21 | 500000 |
| Sari Murti | 2020-04-21 17:16:21 | 500000 |
| Leonard | 2020-04-21 17:16:21 | 500000 |
| Sonnia Amalia | 2020-04-21 17:16:21 | 500000 |
| Satria Eka Jaya | 2020-04-21 17:16:21 | 400000 |
+-----+-----+-----+
11 rows in set (0.14 sec)

```

- Tampilkan nama nasabah, alamat nasabah dan jumlah saldo yang memiliki saldo dibawah Rp 200000 berdasarkan nama nasabah.

```

C:\> Command Prompt - mysql -u root -p
MariaDB [perbankan]> select nama_nasabah as 'Nama Nasabah', tanggal as 'Tanggal Transaksi', SUM(jumlah) as 'Jumlah(Rp)'
-> from nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK
-> and transaksi.jumlah <200000 group by nama_nasabah, jumlah order by jumlah desc;
+-----+-----+-----+
| Nama Nasabah | Tanggal Transaksi | Jumlah(Rp) |
+-----+-----+-----+
| Canka Lokananta | 2020-04-21 15:46:24 | 150000 |
| Kartika Padmasari | 2020-04-21 17:16:21 | 150000 |
| MARYATI | 2020-04-21 15:46:24 | 300000 |
| SUPARMAN | 2020-04-21 15:46:24 | 100000 |
| Kartika Padmasari | 2020-04-21 15:46:24 | 100000 |
| Ronald Weho | 2020-04-21 17:16:21 | 100000 |
| Budi Murtono | 2020-04-21 15:46:24 | 200000 |
| SUTOPO | 2020-04-21 15:46:24 | 100000 |
| Mario Susanto | 2020-04-21 17:16:21 | 50000 |
| MARYATI | 2020-04-21 15:46:24 | 50000 |
| SUTOPO | 2020-04-21 15:46:24 | 100000 |
| Kartika Padmasari | 2020-04-21 15:46:24 | 50000 |
| Budi Eko Prayogo | 2020-04-21 15:46:24 | 50000 |
| SUPARMAN | 2020-04-21 15:46:24 | 200000 |
| MARYATI | 2020-04-21 15:46:24 | 80000 |
| SUPARMAN | 2020-04-21 15:46:24 | 40000 |
| Budi Eko Prayogo | 2020-04-21 15:46:24 | 30000 |
| Budi Eko Prayogo | 2020-04-21 15:46:24 | 40000 |
| Kartika Padmasari | 2020-04-21 15:46:24 | 40000 |
+-----+-----+-----+
19 rows in set (0.00 sec)

```