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Praktikum

Nomor 5

```
MariaDB [perbankan]> select transaksi.tanggal, transaksi.jenis_transaksi, transaksi.jumlah from nasabah, transaksi WHERE
nasabah.id_nasabah=transaksi.id_nasabahFK AND nasabah.nama_nasabah IN ("Sutopo","Canka Lokanata") ORDER BY transaksi.ta
nggal;
```

tanggal	jenis_transaksi	jumlah
2009-11-15	kredit	200000
2009-11-19	debit	50000
2009-11-22	kredit	100000
2009-12-01	debit	50000

4 rows in set (0.07 sec)

Nomor 6

```
MariaDB [perbankan]> select transaksi.tanggal, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from na
sabah, transaksi WHERE transaksi.tanggal BETWEEN "2009-11-15" AND "2009-11-20" AND nasabah.id_nasabah=transaksi.id_nasab
ahFK ORDER BY transaksi.tanggal, nasabah.nama_nasabah;
```

tanggal	nama_nasabah	jenis_transaksi	jumlah
2009-11-15	Canka Lokananta	kredit	150000
2009-11-15	Sutopo	kredit	200000
2009-11-16	Budi Eko Prayogo	debit	20000
2009-11-18	Suparman	kredit	50000
2009-11-19	Kartika Padmasari	debit	100000
2009-11-19	Maryati	debit	100000
2009-11-19	Sutopo	debit	50000
2009-11-20	Kartika Padmasari	kredit	200000

8 rows in set (0.06 sec)

Nomor 7

```
MariaDB [perbankan]> select transaksi.jenis_transaksi AS "Jenis Transaksi",SUM(jumlah) AS "Jumlah (Rp)" from transaksi G
ROUP BY transaksi.jenis_transaksi ORDER BY transaksi.jenis_transaksi;
```

Jenis Transaksi	Jumlah (Rp)
debit	49920000
kredit	15320000

2 rows in set (0.07 sec)

Nomor 8

```
MariaDB [perbankan]> select jenis_transaksi AS "Jenis Transaksi", MAX(jumlah) AS "Transaksi Terbesar",MIN(jumlah) AS "Tr
ansaksi Terkecil" from transaksi GROUP BY transaksi.jenis_transaksi ORDER BY transaksi.jenis_transaksi;
```

Jenis Transaksi	Transaksi Terbesar	Transaksi Terkecil
debit	13200000	20000
kredit	10000000	20000

2 rows in set (0.03 sec)

Nomor 9

```
MariaDB [perbankan]> select jenis_transaksi AS "Jenis Transaksi", SUM(jumlah) AS "Jumlah (Rp)", COUNT(jumlah) AS "Jumlah  
Transaksi" from transaksi WHERE tanggal BETWEEN "2009-11-1" AND "2009-11-30" GROUP BY transaksi.jenis_transaksi ORDER B  
Y transaksi.jenis_transaksi;
```

Jenis Transaksi	Jumlah (Rp)	Jumlah Transaksi
debit	670000	12
kredit	1120000	11

```
2 rows in set (0.00 sec)
```

Tugas

Nomor 1

```
MariaDB [perbankan]> select transaksi.jenis_transaksi, transaksi.jumlah AS "Jumlah (Rp)",SUM(jumlah) AS "Total Transaksi"
  " from nasabah, transaksi WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND nasabah.nama_nasabah LIKE "%Kartika Padma
sari" GROUP BY transaksi.jenis_transaksi;
```

jenis_transaksi	Jumlah (Rp)	Total Transaksi
debit	100000	150000
kredit	20000	240000

```
2 rows in set (0.00 sec)
```

Nomor 2

```
MariaDB [perbankan]> select rekening.saldo from nasabah,rekening,nasabah_has_rekening WHERE rekening.no_rekening=nasabah
_has_rekening.no_rekeningFK AND nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK AND nasabah.nama_nasabah IN ("Marya
ti");
```

saldo
750000

```
1 row in set (0.00 sec)
```

Nomor 3

```
MariaDB [perbankan]> select transaksi.jumlah, cabang_bank.nama_cabang from transaksi, rekening, cabang_bank WHERE reke
ng.no_rekening=transaksi.no_rekeningFK AND cabang_bank.kode_cabang=rekening.kode_cabangFK GROUP BY cabang_bank.nama_caba
ng;
```

jumlah	nama_cabang
5600000	Bank Rut Unit Ampel
100000	Bank Rut Unit Boyolali
500000	Bank Rut Unit Gunung Cemani
100000	Bank Rut Unit Gunung Kidul
120000	Bank Rut Unit Kudus
40000	Bank Rut Unit Lembang
200000	Bank Rut Unit Pati
300000	Bank Rut Unit Rembang
40000	Bank Rut Unit Surakarta
100000	Bank Rut Unit Tegal
13200000	Bank Rut Unit Wonogiri
150000	Bank Rut Unit Yogyakarta

```
12 rows in set (0.00 sec)
```

Nomor 4

```
MariaDB [perbankan]> select nasabah.nama_nasabah,rekening.saldo from nasabah,rekening,nasabah_has_rekening WHERE reke
ng.no_rekening=nasabah_has_rekening.no_rekeningFK AND nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK AND rekening.s
aldo BETWEEN 500000 AND 2000000;
```

nama_nasabah	saldo
Sutopo	900000
Maryati	750000
Suparman	2000000
Kartika Padmasari	500000
Kartika Padmasari	1000000
Budi Eko Prayogo	1000000
Canka Lokananta	550000
Apip	530000

```
8 rows in set (0.00 sec)
```

Nomor 5

```
MariaDB [perbankan]> select nasabah.nama nasabah, transaksi.tanggal, transaksi.jumlah AS "Jumlah (Rp)" from transaksi,nasabah WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND transaksi.jumlah >= 100000 ORDER BY transaksi.jumlah DESC;
```

nama_nasabah	tanggal	Jumlah (Rp)
Ayu	2009-12-08	13200000
Apip	2009-12-11	11000000
Apip	2009-12-11	10000000
Amir	2009-12-10	9000000
Ayu	2009-12-12	7770000
Aisyah	2009-12-09	5600000
Amin	2009-12-10	990000
Acil	2009-12-11	990000
Aisyah	2009-12-08	900000
Agus	2009-12-10	700000
Ajeng	2009-12-12	690000
Amar	2009-12-09	600000
Ajeng	2009-12-08	500000
Aisyah	2009-12-08	300000
Sutopo	2009-11-15	200000
Amin	2009-12-07	200000
Kartika Padmasari	2009-11-20	200000
Maryati	2009-11-28	200000
Budi Eko Prayogo	2009-12-05	200000
Canka Lokananta	2009-11-15	150000
Apip	2009-12-07	120000
Maryati	2009-12-05	100000
Abang	2009-12-08	100000
Budi Murtono	2009-11-26	100000
Sutopo	2009-11-22	100000
Maryati	2009-11-19	100000
Kartika Padmasari	2009-11-19	100000
Acil	2009-12-07	100000
Suparman	2009-11-28	100000

29 rows in set (0.00 sec)

Nomor 6

- a. Tampilkan rata-rata jumlah transaksi

```
MariaDB [perbankan]> select AVG(jumlah) AS "Rata-rata Transaksi" from transaksi;
```

Rata-rata Transaksi
1304800.0000

1 row in set (0.00 sec)

- b. Tampilkan total jumlah transaksi yang dilakukan pada bulan November hingga Desember 2009

```
MariaDB [perbankan]> select SUM(jumlah) AS "Total Jumlah Tansaksi" from transaksi WHERE tanggal BETWEEN "2009-11-01" AND "2009-12-31";
```

Total Jumlah Tansaksi
65240000

1 row in set (0.00 sec)

- c. Tampilkan banyaknya transaksi yang dilakukan oleh Apip

```
MariaDB [perbankan]> select count(*) AS "Jumlah transaks yang dilakukan" from transaksi, nasabah WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND nasabah.nama_nasabah IN ("Apip");
```

Jumlah transaks yang dilakukan
3

1 row in set (0.00 sec)

- d. Tampilkan saldo terbanyak yang terdapat pada cabang "BRUS"

```
MariaDB [perbankan]> select MAX(saldo) AS "Saldo terbanyak" from rekening WHERE kode_cabangFK IN("BRUS");
```

Saldo terbanyak
3000000

1 row in set (0.00 sec)

- e. Tampilkan saldo antara 99999 hingga 999999 yang terdapat pada cabang "BRUY"

```
MariaDB [perbankan]> select saldo from rekening WHERE kode_cabangFK IN("BRUY") AND saldo BETWEEN 99999 AND 999999;
+-----+
| saldo |
+-----+
| 550000 |
| 255000 |
+-----+
2 rows in set (0.00 sec)
```

Nomor 7

a.

```
MariaDB [perbankan]> select nasabah.nama_nasabah, transaksi.tanggal, transaksi.jumlah from transaksi,nasabah WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND transaksi.jenis_transaksi IN ("kredit") AND transaksi.jumlah > 50000 ORDER BY nasabah.nama_nasabah;
+-----+-----+-----+
| nama_nasabah | tanggal | jumlah |
+-----+-----+-----+
| Abang        | 2009-12-08 | 100000 |
| Acil         | 2009-12-07 | 100000 |
| Acil         | 2009-12-11 | 990000 |
| Agus        | 2009-12-10 | 700000 |
| Aisyah       | 2009-12-08 | 900000 |
| Amin         | 2009-12-10 | 990000 |
| Apip         | 2009-12-07 | 120000 |
| Apip         | 2009-12-11 | 1000000 |
| Budi Eko Prayogo | 2009-12-05 | 200000 |
| Canka Lokananta | 2009-11-15 | 150000 |
| Kartika Padmasari | 2009-11-20 | 200000 |
| Maryati      | 2009-11-28 | 200000 |
| Maryati      | 2009-12-05 | 100000 |
| Superman     | 2009-11-28 | 100000 |
| Sutopo       | 2009-11-22 | 100000 |
| Sutopo       | 2009-11-15 | 200000 |
+-----+-----+-----+
16 rows in set (0.00 sec)
```

b.

```
MariaDB [perbankan]> select nasabah.nama_nasabah, cabang_bank.nama_cabang AS "Berasal dari cabang", SUM(transaksi.jumlah) AS "Total jumlah transaksi" from transaksi,nasabah,rekening,cabang_bank WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND rekening.no_rekening=transaksi.no_rekeningFK AND cabang_bank.kode_cabang=rekening.kode_cabangFK GROUP BY nasabah.nama_nasabah;
+-----+-----+-----+
| nama_nasabah | Berasal dari cabang | Total jumlah transaksi |
+-----+-----+-----+
| Abang        | Bank Rut Unit Tegal | 100000 |
| Acil         | Bank Rut Unit Gunung Kidul | 1090000 |
| Agus        | Bank Rut Unit Lembang | 700000 |
| Aisyah       | Bank Rut Unit Tegal | 6800000 |
| Ajeng        | Bank Rut Unit Gunung Cemani | 1190000 |
| Amar         | Bank Rut Unit Pati | 600000 |
| Amin         | Bank Rut Unit Pati | 1190000 |
| Amir        | Bank Rut Unit Lembang | 9130000 |
| Apip         | Bank Rut Unit Kudus | 21120000 |
| Ayu          | Bank Rut Unit Wonogiri | 20970000 |
| Budi Eko Prayogo | Bank Rut Unit Surakarta | 320000 |
| Budi Murtono | Bank Rut Unit Boyolali | 100000 |
| Canka Lokananta | Bank Rut Unit Yogyakarta | 170000 |
| Kartika Padmasari | Bank Rut Unit Surakarta | 390000 |
| Maryati      | Bank Rut Unit Surakarta | 530000 |
| Superman     | Bank Rut Unit Surakarta | 100000 |
+-----+-----+-----+
16 rows in set (0.00 sec)
```

c.

```
MariaDB [perbankan]> select nasabah.nama_nasabah, AVG(rekening.saldo) AS "Rata-rata saldo" from nasabah,rekening,nasabah_has_rekening WHERE rekening.no_rekening=nasabah_has_rekening.no_rekeningFK AND nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK AND rekening.kode_cabangFK IN ("BRUY") GROUP BY nasabah.nama_nasabah;
+-----+-----+
| nama_nasabah | Rata-rata saldo |
+-----+-----+
| Budi Murtono | 255000.0000 |
| Canka Lokananta | 550000.0000 |
+-----+-----+
2 rows in set (0.08 sec)
```

d.

```
MariaDB [perbankan]> select nasabah.id_nasabah, cabang_bank.nama_cabang, SUM(rekening.saldo-75000) AS "Sisa saldo" from
nasabah,rekening,cabang_bank,nasabah_has_rekening WHERE nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK AND rekening.n
g.no_rekening=nasabah_has_rekening.no_rekeningFK AND rekening.kode_cabangFK=cabang_bank.kode_cabang GROUP BY nasabah.id_
nasabah;
```

id_nasabah	nama_cabang	Sisa saldo
2	Bank Rut Unit Surakarta	675000
3	Bank Rut Unit Surakarta	2925000
4	Bank Rut Unit Surakarta	1350000
5	Bank Rut Unit Surakarta	1200000
6	Bank Rut Unit Boyolali	-75000
8	Bank Rut Unit Klaten	300000
9	Bank Rut Unit Yogyakarta	475000
10	Bank Rut Unit Boyolali	5105000
11	Bank Rut Unit Pati	-55000
12	Bank Rut Unit Lembang	265000
13	Bank Rut Unit Kudus	455000
14	Bank Rut Unit Gunung Kidul	45000
15	Bank Rut Unit Gunung Cemani	45000
16	Bank Rut Unit Wonogiri	-25000
17	Bank Rut Unit Tegal	127000
18	Bank Rut Unit Tegal	159500
19	Bank Rut Unit Rembang	-30500
20	Bank Rut Unit Tegal	129700

18 rows in set (0.08 sec)

e.

```
MariaDB [perbankan]> select nasabah.nama_nasabah,rekening.no_rekening,cabang_bank.nama_cabang AS "Asal", transaksi.jumla
h from transaksi,nasabah,rekening,cabang_bank WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND rekening.no_rekening=t
ransaksi.no_rekeningFK AND cabang_bank.kode_cabang=rekening.kode_cabangFK AND transaksi.no_rekeningFK IN(104) ORDER BY t
ransaksi.jumlah;
```

Empty set (0.00 sec)

```
MariaDB [perbankan]> select nasabah.nama_nasabah,rekening.no_rekening,cabang_bank.nama_cabang AS "Asal", transaksi.jumla
h from transaksi,nasabah,rekening,cabang_bank WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND rekening.no_rekening=t
ransaksi.no_rekeningFK AND cabang_bank.kode_cabang=rekening.kode_cabangFK AND transaksi.no_rekeningFK IN(103) ORDER BY t
ransaksi.jumlah;
```

nama_nasabah	no_rekening	Asal	jumlah
Maryati	103	Bank Rut Unit Surakarta	40000
Maryati	103	Bank Rut Unit Surakarta	40000
Maryati	103	Bank Rut Unit Surakarta	50000
Maryati	103	Bank Rut Unit Surakarta	100000
Maryati	103	Bank Rut Unit Surakarta	100000
Maryati	103	Bank Rut Unit Surakarta	200000

6 rows in set (0.00 sec)

*Note : karena no rekening 104 tidak ada, maka saya coba no rekening 103