

NAMA : MOCH AFIF ABDILLAH

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KELAS : A

Langkah-langkah praktikum

5.

```
MariaDB [perbankan]> SELECT transaksi.tanggal, transaksi.jenis_transaksi, transaksi.jumlah FROM nasabah, transaksi WHERE nasabah.id_nasabah=transaksi.id_nasabahFK AND n
asabah.nama_nasabah IN ('Sutopo','Canka Lokananta') ORDER BY transaksi.tanggal;
```

tanggal	jenis_transaksi	jumlah
2009-11-15 00:00:00	kredit	150000
2009-11-15 00:00:00	kredit	200000
2009-11-19 00:00:00	debit	50000
2009-11-22 00:00:00	kredit	100000
2009-12-01 00:00:00	debit	50000
2009-12-06 00:00:00	debit	20000

6 rows in set (0.02 sec)

6.

```
MariaDB [perbankan]> SELECT transaksi.tanggal, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM nasabah, transaksi WHERE transaksi.tanggal BETWEEN
'2009-11-15' AND '2009-11-20' AND nasabah.id_nasabah=transaksi.id_nasabahFK ORDER BY transaksi.tanggal, nasabah.nama_nasabah;
```

tanggal	nama_nasabah	jenis_transaksi	jumlah
2009-11-15 00:00:00	Canka Lokananta	kredit	150000
2009-11-15 00:00:00	Sutopo	kredit	200000
2009-11-16 00:00:00	Budi Eko Prayogo	debit	20000
2009-11-18 00:00:00	Suparman	kredit	50000
2009-11-19 00:00:00	Kartika Padmasari	debit	100000
2009-11-19 00:00:00	Maryati	debit	100000
2009-11-19 00:00:00	Sutopo	debit	50000
2009-11-20 00:00:00	Kartika Padmasari	kredit	200000

8 rows in set (0.00 sec)

7.

```
MariaDB [perbankan]> SELECT transaksi.jenis_transaksi AS "Jenis Transaksi", SUM(jumlah) AS "Jumlah(Rp)" FROM transaksi GROUP BY transaksi.jenis_transaksi ORDER BY transa
ksi.jenis_transaksi;
```

Jenis Transaksi	Jumlah(Rp)
debit	2000000
kredit	2400000

2 rows in set (0.07 sec)

MariaDB [perbankan]>

8.

```
MariaDB [perbankan]> SELECT jenis_transaksi AS "Jenis Transaksi", MAX(jumlah) AS "Transaksi Terbesar", MIN(jumlah) AS "Transaksi Terkecil" FROM transaksi GROUP BY trans
aksi.jenis_transaksi ORDER BY transaksi.jenis_transaksi;
```

Jenis Transaksi	Transaksi Terbesar	Transaksi Terkecil
debit	200000	20000
kredit	200000	20000

2 rows in set (0.00 sec)

MariaDB [perbankan]>

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 BY transaksi.jenis_transaksi;
```

Jenis Transaksi	Jumlah	Jumlah Transaksi
debit	670000	12
kredit	1120000	11

```
2 rows in set (0.00 sec)

MariaDB [perbankan]>
```

E. Tugas

1.

```
MariaDB [bank]> SELECT DISTINCT jenis_transaksi, jumlah AS "Jumlah(Rp.)", COUNT(jenis_transaksi) AS "Total Transaksi"
-> FROM transaksi T, nasabah N
-> WHERE T.id_nasabahFK = N.id_nasabah and N.nama_nasabah LIKE "Kartika Padmasari%"
-> GROUP BY T.jenis_transaksi ORDER BY T.jenis_transaksi;
```

jenis_transaksi	Jumlah(Rp.)	Total Transaksi
debit	100000	2
kredit	20000	3

```
2 rows in set (0.00 sec)

MariaDB [bank]>
```

2.

```
MariaDB [bank]> SELECT sum(transaksi.jumlah) as "Jumlah Saldo"
-> FROM transaksi, nasabah
-> WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND
-> nasabah.nama_nasabah = "Maryati" AND
-> transaksi.jenis_transaksi = "debit";
```

Jumlah Saldo
230000

```
1 row in set (0.00 sec)

MariaDB [bank]>
```

3.

```
MariaDB [bank]> SELECT DISTINCT kode_cabang, nama_cabang, COUNT(jumlah) AS "Jumlah Transaksi"
-> FROM cabang_bank C, transaksi T, rekening R
-> WHERE C.kode_cabang = R.kode_cabangFK AND T.no_rekeningFK = R.no_rekening
-> GROUP BY C.kode_cabang;
```

kode_cabang	nama_cabang	Jumlah Transaksi
BRUB	Bank Rut Unit Boyolali	2
BRUM	Bank Rut Unit Magelang	8
BRUS	Bank Rut Unit Surakarta	18
BRUY	Bank Rut Unit Yogyakarta	2

4.

```
MariaDB [bank]> SELECT n.nama_nasabah, r.saldo as "Saldo"  
-> FROM nasabah n, nasabah_has_rekening nhr, rekening r  
-> WHERE n.id_nasabah = nhr.id_nasabahFK  
-> AND r.no_rekening = nhr.no_rekeningFK  
-> AND r.saldo 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 |  
+-----+-----+  
7 rows in set (0.00 sec)  
  
MariaDB [bank]>
```

5.

```
MariaDB [bank]> SELECT N.nama_nasabah AS "Nama Nasabah", T.tanggal AS 'Tanggal', T.jumlah AS 'Jumlah (Rp.)'  
-> FROM nasabah N, transaksi T  
-> WHERE N.id_nasabah = T.id_nasabahFK AND T.jumlah >= 100000 ORDER BY T.jumlah DESC;  
+-----+-----+-----+  
| Nama Nasabah | Tanggal | Jumlah (Rp.) |  
+-----+-----+-----+  
| Sutopo       | 2009-11-15 00:00:00 | 200000 |  
| Budi Eko Prayogo | 2009-12-05 00:00:00 | 200000 |  
| Kartika Padmasari | 2009-11-20 00:00:00 | 200000 |  
| Maryati      | 2009-11-28 00:00:00 | 200000 |  
| Canka Lokananta | 2009-11-15 00:00:00 | 150000 |  
| Maryati      | 2009-12-05 00:00:00 | 100000 |  
| Suparman     | 2009-11-28 00:00:00 | 100000 |  
| Budi Murtono | 2009-11-26 00:00:00 | 100000 |  
| Sutopo       | 2009-11-22 00:00:00 | 100000 |  
| Maryati      | 2009-11-19 00:00:00 | 100000 |  
| Kartika Padmasari | 2009-11-19 00:00:00 | 100000 |  
+-----+-----+-----+  
11 rows in set (0.00 sec)  
  
MariaDB [bank]>
```

TAMBAHAN

1. Menampilkan jumlah total saldo yang dimiliki oleh Suparman

```
MariaDB [perbankan]> SELECT sum(transaksi.jumlah)AS "Jumlah Saldo"
-> FROM transaksi, nasabah
-> WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND
-> nasabah.nama_nasabah = "Suparman" AND
-> transaksi.jenis_transaksi = "kredit";
+-----+
| Jumlah Saldo |
+-----+
|      200000 |
+-----+
1 row in set (0.00 sec)
```

2. Menampilkan jumlah total saldo yang dimiliki oleh Puput

```
MariaDB [perbankan]> SELECT sum(transaksi.jumlah)AS "Jumlah Saldo"
-> FROM transaksi, nasabah
-> WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND
-> nasabah.nama_nasabah = "Puput" AND
-> transaksi.jenis_transaksi = "kredit";
+-----+
| Jumlah Saldo |
+-----+
|      420000 |
+-----+
1 row in set (0.00 sec)
```

3. Menampilkan nama nasabah dan jumlah saldo yang memiliki saldo Antara 350000 sampai 5000000

```
MariaDB [perbankan]> SELECT n.nama_nasabah, r.saldo as "Saldo"  
-> FROM nasabah n, nasabah_has_rekening nhr, rekening r  
-> WHERE n.id_nasabah = nhr.id_nasabahFK  
-> AND r.no_rekening = nhr.no_rekeningFK  
-> AND r.saldo BETWEEN 350000 AND 5000000;
```

nama_nasabah	Saldo
Sutopo	900000
Maryati	750000
Suparman	2000000
Suparman	3000000
Kartika Padmasari	500000
Kartika Padmasari	1000000
Budi Eko Prayogo	350000
Budi Eko Prayogo	1000000
Canka Lokananta	550000
Budi Martono	5000000
Budi Martono	400000
Danindya	2000000
Puput	900000
Muliana	2000000
Putri	500000
Pandan Wangi	2500000

16 rows in set (0.07 sec)

4. menampilkan jumlah transaksi

```
MariaDB [perbankan]> SELECT jenis_transaksi AS "Jenis Transaksi", SUM(jumlah) AS  
jumlah (Rp)",  
-> COUNT(jumlah) AS "Jumlah Transaksi"  
-> FROM transaksi  
-> WHERE tanggal BETWEEN '2009-12-1' AND '2009-12-4'  
-> GROUP BY transaksi.jenis_transaksi  
-> ORDER BY transaksi.jenis_transaksi;
```

Jenis Transaksi	Jumlah (Rp)	Jumlah Transaksi
debit	140000	3

1 row in set (0.03 sec)

5.

Menampilkan jenis transaksi, jumlah transaksi dalam Rp. Dan total transaksi untuk nasabah yang bernama 'Budi Eko Prayogo' untuk masing-masing jenis transaksi.

```
MariaDB [perbankan]> SELECT DISTINCT jenis_transaksi, jumlah AS "Jumlah(Rp.)", COUNT(jenis_transaksi) AS "Total Transaksi"
-> FROM transaksi T , nasabah N
-> WHERE T.id_nasabahFK = N.id_nasabah and N.nama_nasabah LIKE "Budi Eko Prayogo%"
-> GROUP BY T.jenis_transaksi ORDER BY T.jenis_transaksi;
```

jenis_transaksi	Jumlah(Rp.)	Total Transaksi
debit	20000	3
kredit	30000	2

2 rows in set (0.00 sec)