

NAMA : DANANG AJI NUGROHO

NIM : L200180015

KELAS : A

MODUL 8 TUGAS

• TUGAS

```
7 rows in set (0.04 sec)

MariaDB [perbankan]>
MariaDB [perbankan]> select transaksi.tanggal,nasabah.nama_nasabah,where transaksi.tanggal BETWEEN '2009-11-15' AND '200
7-11-20' AND nasabah.id_nasabah=transaksi.id_nasabahFK order by transaksi.tanggal,nasabah.nama_nasabah;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server versi
on for the right syntax to use near 'where transaksi.tanggal BETWEEN '2009-11-15' AND '2009-11-20' AND nasabah.id_nas' a
t line 1
MariaDB [perbankan]> select transaksi.tanggal,nasabah.nama_nasabah,transaksi.jenis_transaksi,transaksi.jumlah from nasab
ah,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           | 200000 |
| 2009-11-18 00:00:00 | Suparman        | kredit          | 500000 |
| 2009-11-19 00:00:00 | Kartika Padmasari | debit           | 100000 |
| 2009-11-19 00:00:00 | Margati          | debit           | 100000 |
| 2009-11-19 00:00:00 | Sutopo          | debit           | 500000 |
| 2009-11-20 00:00:00 | Kartika Padmasari | kredit          | 200000 |
+-----+-----+-----+-----+
8 rows in set (0.00 sec)

MariaDB [perbankan]> select transaksi.jenis_transaksi as "Jenis Transaksi", sum(jumlah) as "Jumlah (Rp)" from transaksi
group by
-> transaksi.jenis_transaksi order by transaksi.jenis_transaksi;
+-----+-----+
| Jenis Transaksi | Jumlah (Rp) |
+-----+-----+
| debit           | 22891000    |
| kredit          | 2977000     |
+-----+-----+
2 rows in set (0.00 sec)

MariaDB [perbankan]>
MariaDB [perbankan]> select jenis_transaksi as "Jenis Transaksi",MAX(jumlah)AS "Transaksi Terbesar",MIN(jumlah) AS "Tran
saksi Terkecil"from
-> transaksi group by transaksi.jenis_transaksi order by transaksi.jenis_transaksi;
+-----+-----+-----+
| Jenis Transaksi | Transaksi Terbesar | Transaksi Terkecil |
+-----+-----+-----+
| debit           | 9700000         | 20000              |
| kredit          | 520000          | 20000              |
+-----+-----+-----+
2 rows in set (0.00 sec)

MariaDB [perbankan]> select jenis_transaksi as "Jenis Transaksi ",SUM(jumlah) as "Jumlah(Rp),COUNT(jumlah) as "Jumlah Tr
ansaksi" from transaksi where tanggal between '2009-11-1'and '2009-11-30' group by transaksi.jenis_transaksi order by tr
ansaksi.jenis_transaksi;
+-----+-----+-----+
| Jenis Transaksi | Jumlah(Rp) | Jumlah Transaksi |
+-----+-----+-----+
| debit           | 22891000   | 2                 |
| kredit          | 2977000    | 2                 |
+-----+-----+-----+
2 rows in set (0.00 sec)

MariaDB [perbankan]>
-> select jenis_transaksi as "Jenis Transaksi", sum(jumlah) as "Jumlah (Rp)", count(jumlah) as "Jumlah Transaksi" fr
om transaksi where tanggal between '2009-11-1' and '2009-11-30' group by transaksi.jenis_transaksi order by transaksi.je
nis_transaksi;
+-----+-----+-----+
| Jenis Transaksi | Jumlah (Rp) | Jumlah Transaksi |
+-----+-----+-----+
| debit           | 22891000    | 2                 |
| kredit          | 2977000     | 2                 |
+-----+-----+-----+
2 rows in set (0.04 sec)
```

```
+-----+-----+
| Database |
+-----+-----+
| information_schema |
| modul8 |
| modul7 |
| mysql |
| perbankan |
| performance_schema |
| phpmyadmin |
| test |
+-----+-----+
8 rows in set (0.22 sec)

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> select transaksi.tanggal,transaksi.jenis_transaksi,transaksi.jumlah from nasabah,transaksi where na
sabah.id_nasabah=transaksi.id_nasabahFK and nasabah.nama_nasabah IN('Sutopo','Canka Lokananta')order by transaksi.tangga
l;
+-----+-----+-----+
| 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           | 500000 |
| 2009-11-22 00:00:00 | kredit          | 100000 |
| 2009-12-01 00:00:00 | debit           | 500000 |
| 2009-12-06 00:00:00 | debit           | 200000 |
| 2017-05-26 00:00:00 | kredit          | 520000 |
+-----+-----+-----+
7 rows in set (0.04 sec)
```

```

nis_transaksi;
-->
--> exit
-->
Ctrl-C -- exit!

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 29
Server version: 10.1.37-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> select jenis_transaksi as "Jenis Transaksi", sum(jumlah) as "Jumlah (Rp)", count(jumlah) as "Jumlah Tr
ansaksi" from transaksi where tanggal between '2009-11-1' and '2009-11-30' group by transaksi.jenis_transaksi order by t
ransaksi.jenis_transaksi;
ERROR 1046 (3D000): No database selected
MariaDB [(none)]> use perbankan
Database changed
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)

MariaDB [(perbankan)]> select distinct jenis_transaksi, jumlah as "Jumlah(Rp).", count(jenis_transaksi) as "Total Transaksi"
 from transaksi T, nasabah N where T.id_nasabah = N.id_nasabah and N.nama_nasabah like "Kartika Padmasari" GROUP BY T.jenis_transaksi
 order by T.jenis_transaksi;
ERROR 1064 (42S22): Unknown column 'T.id_nasabah' in 'where clause'
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 "Kartika Padmasari" GROUP BY T.jenis_transaksi
 order by T.jenis_transaksi;
+-----+-----+-----+
| jenis_transaksi | Jumlah(Rp.) | Total Transaksi |
+-----+-----+-----+
| debit          | 50000       | 2               |
| kredit         | 20000       | 3               |
+-----+-----+-----+
2 rows in set (0.00 sec)

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 "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 [(perbankan)]> select sum(transaksi.jumlah) as "Jumlah Saldo" FROM transaksi, nasabah where nasabah.id_nasabah = tra
nsaksi.id_nasabahFK and nasabah.nama_nasabah = "Maryati" AND transaksi.jenis_transaksi = "debit";

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nsaksi.id_nasabahFK and nasabah.nama_nasabah = "Maryati" AND transaksi.jenis_transaksi = "debit";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server versi
on for the right syntax to use near 'nasabah = transaksi.id_nasabahFK and nasabah.nama_nasabah = "Maryati" AND transak' a
t line 1
MariaDB [(perbankan)]>
MariaDB [(perbankan)]> select sum(transaksi.jumlah) as "Jumlah Saldo" FROM transaksi, nasabah WHERE nasabah.id_nasabah = t
ransaksi.id_nasabahFK AND nasabah.nama_nasabah = "Maryati" AND transaksi.jenis_transaksi = "debit";
+-----+
| Jumlah Saldo |
+-----+
| 777000       |
+-----+
1 row in set (0.00 sec)

MariaDB [(perbankan)]> select distinct kode_cabang, nama_cabang, count(jumlah) as "Jumlah Transaksi" from cabang_bank C, trans
aksi 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 | 1               |
| BRUK       | Bank Rut Unit Klaten   | 2               |
| BRUM       | Bank Rut Unit Magelang | 4               |
| BRUS       | Bank Rut Unit Sukakarta | 29              |
| BRUV       | Bank Rut Unit Wonogiri  | 4               |
| BRUY       | Bank Rut Unit Yogyakarta | 10              |
+-----+-----+-----+
6 rows in set (0.04 sec)

MariaDB [(perbankan)]> MariaDB [(perbankan)]> SELECT nasabah.nama_nasabah as "Nama", rekening.saldo as "J
" --> unlah saldo" from nasabah, rekening where saldo between 500000 and 1000000 group
--> by id_nasabah;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server versi
on for the right syntax to use near 'MariaDB [(perbankan)]> SELECT nasabah.nama_nasabah as "Nama", rekening.saldo as "J' a
t line 1
MariaDB [(perbankan)]> SELECT nasabah.nama_nasabah as "Nama", rekening.saldo as "J
" --> unlah saldo" from nasabah, rekening where saldo between 500000 and 1000000 group
--> by id_nasabah;
+-----+-----+
| Nama | J |
+-----+-----+
unlah saldo |
+-----+-----+
| Sutopo | 500000 |
| Maryati | 500000 |
| Supawan | 500000 |
| Kartika Padmasari | 500000 |
| Budi Eko Pragego | 500000 |
| Setris Eka Jaya | 500000 |
| Indri Hapsari | 500000 |
| Sari Murti | 500000 |
| Canika Luknanta | 500000 |
| Budi Murtono | 500000 |
| Joko Mdo Kondo | 500000 |
| Jon Koplo | 500000 |
| Anggit | 500000 |
| Alivicky | 500000 |
| Ihsan | 500000 |
| Kurnia | 500000 |
| Alux | 500000 |
| Susilo | 500000 |
| Sutopo | 500000 |
| Luceng | 500000 |
+-----+-----+

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| Alvieky | 500000 |
| Ihsan | 500000 |
| Kurnia | 500000 |
| Alex | 500000 |
| Susilo | 500000 |
| Sutopo | 500000 |
| Luceng | 500000 |
| Maryati | 500000 |
+-----+
21 rows in set (0.00 sec)

MariaDB [perbankan]> select M.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.) |
+-----+-----+-----+
| Jon Koplo | 2017-05-26 00:00:00 | 9700000 |
| Jon Koplo | 2017-05-26 00:00:00 | 8500000 |
| Anggit | 2017-06-08 00:00:00 | 7000000 |
| Anggit | 2017-06-08 00:00:00 | 7000000 |
| Anggit | 2017-06-08 00:00:00 | 7000000 |
| Anggit | 2017-06-26 00:00:00 | 7000000 |
| Maryati | 2017-05-24 00:00:00 | 5470000 |
| Sutopo | 2017-05-26 00:00:00 | 5200000 |
| Sari Murti | 2017-05-24 00:00:00 | 3570000 |
| Budi Eko Prayogo | 2017-06-14 00:00:00 | 2630000 |
| Budi Murtono | 2017-05-24 00:00:00 | 2500000 |
| Sutopo | 2009-11-15 00:00:00 | 2000000 |
| Budi Eko Prayogo | 2009-12-05 00:00:00 | 2000000 |
| Maryati | 2009-11-28 00:00:00 | 2000000 |
| Kartika Padmasari | 2009-11-20 00:00:00 | 2000000 |
| Canka Lokananta | 2009-11-15 00:00:00 | 1500000 |
| Indri Hapsari | 2017-05-24 00:00:00 | 1300000 |
| Sacria Eka Jaya | 2017-05-24 00:00:00 | 1250000 |
| Kartika Padmasari | 2009-11-19 00:00:00 | 1000000 |
| Maryati | 2009-11-19 00:00:00 | 1000000 |
| Sutopo | 2009-11-22 00:00:00 | 1000000 |
| Budi Murtono | 2009-11-26 00:00:00 | 1000000 |
| Suparman | 2009-11-28 00:00:00 | 1000000 |
| Maryati | 2009-12-05 00:00:00 | 1000000 |
| Indri Hapsari | 2009-12-05 00:00:00 | 1000000 |
+-----+-----+-----+
25 rows in set (0.00 sec)

MariaDB [perbankan]>

```

```

MariaDB [perbankan]> SELECT SUM(saldo) AS "Jumlah Saldo" FROM rekening WHERE kode_cabangFK="BRUY";
+-----+
| Jumlah Saldo |
+-----+
| 805000 |
+-----+
1 row in set (0.00 sec)

```

```

MariaDB [perbankan]> SELECT AVG(saldo) AS "Saldo Rata-Rata" FROM rekening;
+-----+
| Saldo Rata-Rata |
+-----+
| 373461.5385 |
+-----+
1 row in set (0.00 sec)

```

```

MariaDB [perbankan]> SELECT MAX(saldo) AS "Jumlah Saldo Max" FROM rekening WHERE kode_cabangFK="BRUY";
+-----+
| Jumlah Saldo Max |
+-----+
| 550000 |
+-----+
1 row in set (0.00 sec)

```

```

MariaDB [perbankan]> SELECT SUM(saldo) AS "Jumlah Saldo" FROM rekening;
+-----+
| Jumlah Saldo |
+-----+
| 4855000 |
+-----+
1 row in set (0.00 sec)

```

```

MariaDB [perbankan]> SELECT AVG(jumlah) AS "Jumlah Rata-Rata" FROM transaksi;
+-----+
| Jumlah Rata-Rata |
+-----+
| 76000.0000 |
+-----+
1 row in set (0.00 sec)

```

• TUGAS TAMBAHAN

```
MariaDB [perbankan]> SELECT DISTINCT nasabah.nama_nasabah, transaksi.tanggal, transaksi.jumlah FROM transaksi, nasabah WHERE transaksi.id_nasabahFK=nasabah.id_nasabah AND transaksi.jenis_transaksi="kredit" GROUP BY nama_nasabah, jenis_transaksi HAVING jumlah>50000 ORDER BY nama_nasabah;
```

nama_nasabah	tanggal	jumlah
canka lokananta	2009-11-15	150000
maryati	2009-11-28	200000
sutopo	2009-11-15	200000

3 rows in set (0.00 sec)

```
MariaDB [perbankan]> SELECT DISTINCT nasabah.nama_nasabah, cabang_bank.nama_cabang AS "Berasal", SUM(transaksi.jumlah) AS "Total" FROM transaksi, nasabah, rekening, cabang_bank WHERE transaksi.id_nasabahFK=nasabah.id_nasabah AND transaksi.no_rekeningFK=rekening.no_rekening AND rekening.kode_cabangFK=cabang_bank.kode_cabang GROUP BY nama_nasabah;
```

nama_nasabah	Berasal	Total
budi eko prayogo	bank rut unit surakarta	400000
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	660000
superman	bank rut unit surakarta	390000

6 rows in set (0.00 sec)

```
MariaDB [perbankan]> SELECT DISTINCT nasabah.nama_nasabah, AVG(rekening.saldo) AS "Rata-Rata Saldo" FROM transaksi, nasabah, rekening WHERE transaksi.id_nasabahFK=nasabah.id_nasabah AND transaksi.no_rekeningFK=rekening.no_rekening AND rekening.kode_cabangFK="BRUY" GROUP BY nama_nasabah;
```

nama_nasabah	Rata-Rata Saldo
canka lokananta	550000.0000

1 row in set (0.00 sec)

```
MariaDB [perbankan]> SELECT DISTINCT nasabah.id_nasabah, cabang_bank.nama_cabang, SUM(saldo)-75000 FROM rekening, transaksi, nasabah, cabang_bank WHERE transaksi.id_nasabahFK=nasabah.id_nasabah AND transaksi.no_rekeningFK=rekening.no_rekening AND rekening.kode_cabangFK=cabang_bank.kode_cabang GROUP BY nama_nasabah;
```

id_nasabah	nama_cabang	SUM(saldo)-75000
5	bank rut unit surakarta	1925000
10	Bank Rut Unit Boyolali	425000
9	Bank Rut Unit Yogyakarta	1025000
4	bank rut unit surakarta	1625000
2	bank rut unit surakarta	4725000
3	bank rut unit surakarta	1825000

6 rows in set (0.00 sec)

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, rekening.no_rekening, cabang_bank.nama_cabang AS "Asal", transaksi.jumlah AS "Jumlah" FROM transaksi, nasabah, rekening, cabang_bank WHERE transaksi.id_nasabahFK=nasabah.id_nasabah AND transaksi.no_rekeningFK=rekening.no_rekening AND rekening.kode_cabangFK=cabang_bank.kode_cabang AND no_rekening=104 GROUP BY nama_nasabah ORDER BY jumlah;
```

Empty set (0.00 sec)

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, rekening.no_rekening, cabang_bank.nama_cabang AS "Asal", transaksi.jumlah AS "Jumlah" FROM transaksi, nasabah, rekening, cabang_bank WHERE transaksi.id_nasabahFK=nasabah.id_nasabah AND transaksi.no_rekeningFK=rekening.no_rekening AND rekening.kode_cabangFK=cabang_bank.kode_cabang AND no_rekening=105 GROUP BY nama_nasabah ORDER BY jumlah;
```

nama_nasabah	no_rekening	Asal	Jumlah
maryati	105	bank rut unit surakarta	40000
superman	105	bank rut unit surakarta	50000

2 rows in set (0.00 sec)

