

**DATABASE SYSTEM  
PRACTICUM REPORT  
MODULE 8**

**AGGREGASI**



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## Task.

1.

```
MariaDB [perbankan]> SELECT transaksi.jenis_transaksi, SUM(jumlah) AS 'jumlah_transaksi(Rp)', COUNT(jumlah) AS 'total_transaksi'
-> FROM transaksi, nasabah
-> WHERE nasabah.id_nasabah = transaksi.id_nasabahFK
-> AND nasabah.nama_nasabah = 'Kartika Padmasari'
-> GROUP BY transaksi.jenis_transaksi;
+-----+-----+-----+
| jenis_transaksi | jumlah_transaksi(Rp) | total_transaksi |
+-----+-----+-----+
| kredit          | 20000                | 1              |
+-----+-----+-----+
1 row in set (0.008 sec)
```

2.

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, SUM(saldo) FROM nasabah, rekening WHERE nama_nasabah = "Maryati";
+-----+-----+
| nama_nasabah | SUM(saldo) |
+-----+-----+
| Maryati      | 26078130   |
+-----+-----+
1 row in set (0.009 sec)
```

3.

```
MariaDB [perbankan]>
MariaDB [perbankan]> SELECT SUM(saldo) AS 'total saldo' FROM rekening, nasabah, nasabah_has_rekening
-> WHERE nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK
-> AND rekening.no_rekening = nasabah_has_rekening.no_rekeningFK AND nasabah.nama_nasabah = 'Maryati' ;
+-----+
| total saldo |
+-----+
| 750000      |
+-----+
1 row in set (0.005 sec)
```

4.

```
XAMPP for Windows - mySql - u-root-p
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, saldo from nasabah, rekening WHERE saldo
-> between 500000 and 2000000;
+-----+-----+
| nama_nasabah | saldo |
+-----+-----+
| Maryati      | 500000 |
| Suparman     | 500000 |
| Kartika Padmasari | 500000 |
| Budi Eko prayogo | 500000 |
| Satria Eka jaya | 500000 |
| Canka Lokananta | 500000 |
| Budi Murtono  | 500000 |
| Wahyu Aji    | 500000 |
| Tesar Hardi  | 500000 |
| Gilang Adi   | 500000 |
| Fitriana     | 500000 |
| Presinta Dewi | 500000 |
| Chalia Anggun | 500000 |
| Chandra Dwiky | 500000 |
| Eksya Angelica | 500000 |
| Sekar Esthi  | 500000 |
| Al Fajar     | 500000 |
| Maryati      | 750000 |
| Suparman     | 750000 |
| Kartika Padmasari | 750000 |
| Budi Eko prayogo | 750000 |
| Satria Eka jaya | 750000 |
| Canka Lokananta | 750000 |
| Budi Murtono  | 750000 |
| Wahyu Aji    | 750000 |
| Tesar Hardi  | 750000 |
| Gilang Adi   | 750000 |
| Fitriana     | 750000 |
| Presinta Dewi | 750000 |
| Chalia Anggun | 750000 |
| Chandra Dwiky | 750000 |
| Eksya Angelica | 750000 |
| Sekar Esthi  | 750000 |
| Al Fajar     | 750000 |
| Maryati      | 900000 |
| Suparman     | 900000 |
| Kartika Padmasari | 900000 |
| Budi Eko prayogo | 900000 |
```

5.

```
XAMPP for Windows - mySql - u-root-p
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, transaksi.tanggal,transaksi.
-> jumlah from nasabah, transaksi where jumlah> 100000 order by transaksi.jumlah desc;
```

nama_nasabah	tanggal	jumlah
Kartika Padmasari	2009-12-20 00:00:00	400000
Budi Murtono	2009-12-20 00:00:00	400000
Fitriana	2009-12-20 00:00:00	400000
Exsya Angelica	2009-12-20 00:00:00	400000
Budi Eko prayogo	2009-12-21 00:00:00	400000
Wahyu Aji	2009-12-21 00:00:00	400000
Presinta Dewi	2009-12-21 00:00:00	400000
Sekar Esthi	2009-12-21 00:00:00	400000
Suparman	2009-12-20 00:00:00	400000
Canka Lokananta	2009-12-20 00:00:00	400000
Gilang Adi	2009-12-20 00:00:00	400000
Chandra Dwiky	2009-12-20 00:00:00	400000
Kartika Padmasari	2009-12-21 00:00:00	400000
Budi Murtono	2009-12-21 00:00:00	400000
Fitriana	2009-12-21 00:00:00	400000
Exsya Angelica	2009-12-21 00:00:00	400000
Maryati	2009-12-20 00:00:00	400000
Satria Eka jaya	2009-12-20 00:00:00	400000
Tesar Hardi	2009-12-20 00:00:00	400000
Chalia Anggun	2009-12-20 00:00:00	400000
Al Fajar	2009-12-20 00:00:00	400000
Suparman	2009-12-21 00:00:00	400000
Canka Lokananta	2009-12-21 00:00:00	400000
Gilang Adi	2009-12-21 00:00:00	400000
Chandra Dwiky	2009-12-21 00:00:00	400000
Budi Eko prayogo	2009-12-20 00:00:00	400000
Wahyu Aji	2009-12-20 00:00:00	400000
Presinta Dewi	2009-12-20 00:00:00	400000
Sekar Esthi	2009-12-20 00:00:00	400000
Maryati	2009-12-21 00:00:00	400000
Satria Eka jaya	2009-12-21 00:00:00	400000
Tesar Hardi	2009-12-21 00:00:00	400000
Chalia Anggun	2009-12-21 00:00:00	400000
Al Fajar	2009-12-21 00:00:00	400000
Suparman	2009-11-15 00:00:00	200000
Canka Lokananta	2009-11-15 00:00:00	200000
Gilang Adi	2009-11-15 00:00:00	200000
Chandra Dwiky	2009-11-15 00:00:00	200000

6.

- Show transaction number and type of transaction on '2009-11-19'

```
MariaDB [perbankan]> SELECT transaksi.no_transaksi, transaksi.jenis_transaksi from transaksi
-> where tanggal = '2009-11-19';
```

no_transaksi	jenis_transaksi
10	debit
11	debit
12	debit
13	debit
14	debit

5 rows in set (0.002 sec)

- Display the customer's name and the type of transaction where the type of transaction is debit

```
MariaDB [perbankan]> SELECT distinct nasabah.nama_nasabah, transaksi.jenis_transaksi from nasabah, transaksi where jenis_transaksi ='debit';
```

nama_nasabah	jenis_transaksi
Maryati	debit
Suparman	debit
Kartika Padmasari	debit
Budi Eko prayogo	debit
Satria Eka jaya	debit
Canka Lokananta	debit
Budi Murtono	debit
Wahyu Aji	debit
Tesar Hardi	debit
Gilang Adi	debit
Fitriana	debit
Presinta Dewi	debit
Chalia Anggun	debit
Chandra Dwiky	debit
Exsya Angelica	debit
Sekar Esthi	debit
Al Fajar	debit

17 rows in set (0.002 sec)

- Display the customer's name and type of transaction where the customer's name is Superman

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, transaksi.jenis_transaksi from nasabah,
-> transaksi where nasabah.nama_nasabah in ('superman');
+-----+-----+
| nama_nasabah | jenis_transaksi |
+-----+-----+
| Superman    | debit           |
| Superman    | debit           |
| Superman    | kredit          |
| Superman    | debit           |
| Superman    | kredit          |
| Superman    | kredit          |
| Superman    | debit           |
| Superman    | kredit          |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | kredit          |
| Superman    | kredit          |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | kredit          |
| Superman    | kredit          |
| Superman    | kredit          |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | debit           |
| Superman    | kredit          |
| Superman    | kredit          |
| Superman    | debit           |
| Superman    | KREDIT          |
| Superman    | DEBIT           |
| Superman    | KREDIT          |
| Superman    | DEBIT           |
| Superman    | DEBIT           |
```

- Display the total balance owned by Superman

```
MariaDB [perbankan]> SELECT sum(saldo) from rekening where no_rekening = 105;
+-----+
| sum(saldo) |
+-----+
| 20000000 |
+-----+
1 row in set (0.001 sec)
```

- Display the total number of transactions made by customers with customer id is 3

```
MariaDB [perbankan]> SELECT sum(jumlah) from transaksi where id_nasabahFK = 3;
+-----+
| sum(jumlah) |
+-----+
| 140000 |
+-----+
1 row in set (0.001 sec)
```