

Nama: Muhammad Firdaus Imani  
 NIM: L200180202  
 Kelas: H

## Praktikum Sistem Basis Data Modul 10

### 1. Praktikum

```
MariaDB [perbankan]> select*from nasabah where nasabah.id_nasabah in (select distinct transaksi.id_nasabahFK from transa
ksi where jenis_transaksi='kredit');
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 4 | Kartika Padmasari | Jl. Manggis 15 |
+-----+-----+-----+
5. MariaDB [perbankan]> select*from nasabah where nasabah.id_nasabah not in (select distinct transaksi.id_nasabahFK from tr
ansaksi);
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
| 13 | Reza | Jl. Aralia 134 |
+-----+-----+-----+
6. 8 rows in set (0.00 sec)

MariaDB [perbankan]> select cabang_bank.kode_cabang, cabang_bank.nama_cabang, avg(rekening.saldo) as rata2 from cabang_b
ank, rekening where cabang_bank.kode_cabang=rekening.kode_cabangFK group by cabang_bank.kode_cabang having rata2 >= all(
select avg(saldo) from rekening group by kode_cabangFK);
+-----+-----+-----+
| kode_cabang | nama_cabang | rata2 |
+-----+-----+-----+
| BRUB | Bank Rut Unit Boyolali | 2500000.0000 |
+-----+-----+-----+
7. 1 row in set (0.00 sec)

MariaDB [perbankan]> select * from transaksi where jumlah > (select avg(jumlah) from transaksi);
+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1 | 3 | 105 | debit | 0000-00-00 00:00:00 | 50000 |
| 2 | 2 | 103 | debit | 0000-00-00 00:00:00 | 40000 |
+-----+-----+-----+-----+-----+-----+
8. 2 rows in set (0.00 sec)
```

### 2. Tugas

```
MariaDB [perbankan]> select distinct jumlah from transaksi where jumlah >= all(select max(jumlah) from transaksi);
+-----+
| jumlah |
+-----+
| 50000 |
+-----+
1. 1 row in set (0.13 sec)

MariaDB [perbankan]> select distinct jumlah from transaksi where jumlah <= all(select min(jumlah) from transaksi);
+-----+
| jumlah |
+-----+
| 20000 |
+-----+
2. 1 row in set (0.00 sec)

MariaDB [perbankan]> select distinct nasabah.nama_nasabah, transaksi.jumlah from transaksi, nasabah where jumlah >= all(
select max(jumlah) from transaksi);
+-----+-----+
| nama_nasabah | jumlah |
+-----+-----+
| Sutopo | 50000 |
| Maryati | 50000 |
| Superman | 50000 |
| Kartika Padmasari | 50000 |
| Budi Eko Prayogo | 50000 |
| Satria Eka Jaya | 50000 |
| Indri Hapsari | 50000 |
| Sari Murti | 50000 |
| Canka Lokananta | 50000 |
| Budi Murtono | 50000 |
| Reza | 50000 |
+-----+-----+
3. 11 rows in set (0.08 sec)
```

4. MariaDB [perbankan]> select distinct cabang\_bank.nama\_cabang from cabang\_bank where cabang\_bank.kode\_cabang not in(select distinct rekening.kode\_cabangFK from rekening);

nama_cabang
Bank Rut Unit Papua
Bank Rut Unit Wonogiri

2 rows in set (0.09 sec)

5. MariaDB [perbankan]> select rekening.no\_rekening, rekening.saldo from rekening where saldo > (select avg(saldo) from rekening);

no_rekening	saldo
105	2000000
106	3000000
108	5000000

3 rows in set (0.00 sec)

6. MariaDB [perbankan]> select distinct nasabah.nama\_nasabah, rekening.saldo from rekening, nasabah where saldo >= all(select max(saldo) from rekening);

nama_nasabah	saldo
Sutopo	5000000
Maryati	5000000
Suparman	5000000
Kartika Padmasari	5000000
Budi Eko Prayogo	5000000
Satria Eka Jaya	5000000
Indri Hapsari	5000000
Sari Murti	5000000
Canka Lokananta	5000000
Budi Murtono	5000000
Reza	5000000

A. 11 rows in set (0.00 sec)

MariaDB [perbankan]> select distinct nasabah.nama\_nasabah, rekening.saldo from rekening, nasabah where saldo <= all(select min(saldo) from rekening);

nama_nasabah	saldo
Sutopo	0
Maryati	0
Suparman	0
Kartika Padmasari	0
Budi Eko Prayogo	0
Satria Eka Jaya	0
Indri Hapsari	0
Sari Murti	0
Canka Lokananta	0
Budi Murtono	0
Reza	0

B. 11 rows in set (0.00 sec)

MariaDB [perbankan]> select distinct rekening.no\_rekening, rekening.saldo from rekening, nasabah where saldo <= all(select min(saldo) from rekening);

no_rekening	saldo
105	2000000
106	2000000
107	2000000
108	2000000
109	2000000
110	2000000
111	2000000
112	2000000
113	2000000
114	2000000
115	2000000
116	2000000
117	2000000
118	2000000
119	2000000
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```
MariaDB [perbankan]> select nasabah.nama_nasabah, rekening.saldo from rekening, nasabah where saldo < (select avg(saldo) from rekening);
```

nama_nasabah	saldo
Sutopo	500000
Maryati	500000
Suparman	500000
Kartika Padmasari	500000
Budi Eko Prayogo	500000
Satria Eka Jaya	500000
Indri Hapsari	500000
Sari Murti	500000
Canka Lokananta	500000
Budi Murtono	500000
Reza	500000
Sutopo	350000
Maryati	350000
Suparman	350000
Kartika Padmasari	350000
Budi Eko Prayogo	350000
Satria Eka Jaya	350000
Indri Hapsari	350000
Sari Murti	350000
Canka Lokananta	350000
Budi Murtono	350000
Reza	350000
Sutopo	750000
Maryati	750000

D.

```
MariaDB [perbankan]> select distinct cabang_bank.nama_cabang from cabang_bank where cabang_bank.kode_cabang in(select distinct rekening.kode_cabangFK from rekening);
```

nama_cabang
Bank Rut Unit Boyolali
Bank Rut Unit Klaten
Bank Rut Unit Magelang
Bank Rut Unit Surakarta

E.

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