Laporan Praktikum Sistem Basis Data

Nama   : Dimas Kurniawan
Nim   : L200170122
Kelas   : E
Modul : 10

Latihan

Tugas 1

```
MariaDB [perbankan]> select AVG(jumlah) from transaksi;
+-------------+
| AVG(jumlah) |
+-------------+
| 89600.0000  |
+-------------+
1 row in set (0.00 sec)

MariaDB [perbankan]> select jumlah from transaksi where jumlah < (select AVG(jumlah) from transaksi)
+--------+
| jumlah |
+--------+
|  50000 |
|  40000 |
|  20000 |
|  50000 |
|  30000 |
|  20000 |
|  50000 |
|  50000 |
|  40000 |
|  20000 |
|  50000 |
|  50000 |
|  50000 |
|  20000 |
|  50000 |
|  40000 |
|  50000 |
|  20000 |
|  20000 |
|  25000 |
|  50000 |
|  50000 |
|  50000 |
|  50000 |
|  50000 |
|  80000 |
+--------+
26 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select jumlah from transaksi where jumlah > (select AVG(jumlah) from transaksi);
+--------+
| jumlah |
+--------+
| 200000 |
| 150000 |
| 100000 |
| 100000 |
| 200000 |
| 100000 |
| 100000 |
| 200000 |
| 100000 |
| 100000 |
| 200000 |
| 100000 |
| 100000 |
| 200000 |
| 100000 |
| 150000 |
| 100000 |
| 125000 |
| 125000 |
| 200000 |
| 175000 |
| 130000 |
| 200000 |
| 150000 |
+--------+
24 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select DISTINCT (nama_nasabah), jumlah from nasabah, transaksi where nasabah.id_nasabah = transaksi.id_nasabahFK AND jumlah > (select AVG(jumlah) f
on transaksi);
+-------------------+--------+
| nama_nasabah      | jumlah |
+-------------------+--------+
| Sutopo            | 200000 |
| Canka Lokananta   | 150000 |
| Kartika Padmasari | 100000 |
| Maryati           | 100000 |
| Kartika Padmasari | 200000 |
| Sutopo            | 100000 |
| Budi Martono      | 100000 |
| Maryati           | 200000 |
| Suparman          | 100000 |
| Budi Eko Prayogo  | 200000 |
| Trianandya        | 100000 |
| Bening            | 100000 |
| Danindya          | 200000 |
| Khatulistyawara   | 100000 |
| Khatulistyawara   | 150000 |
| Puput             | 125000 |
| Khatulistyawara   | 200000 |
| Putri             | 175000 |
| Budi Martono      | 130000 |
| Puput             | 150000 |
+-------------------+--------+
20 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select no_rekening from rekening where saldo > (select AVG(saldo) from rekening);
+-------------+
| no_rekening |
+-------------+
|         105 |
|         106 |
|         108 |
|         115 |
|         117 |
|         122 |
+-------------+
6 rows in set (0.00 sec)
```

Tugas 2

```
MariaDB [perkuliahan]> select mahasiswa.nim from mahasiswa, matkul, link_mahasiswa_matkul where mahasiswa.nim=link_mahasiswa_matkul.nim and mat
kul.kode_matkul=link_mahasiswa_matkul.kode_matkul and mahasiswa.nim not in (select link_mahasiswa_matkul.nim from link_mahasiswa_matkul where k
ode_matkul='TIF001') group by mahasiswa.nim;
+-----------+
| nim       |
+-----------+
| L200150125 |
+-----------+
1 row in set (0.00 sec)

MariaDB [perkuliahan]> select * from link_mahasiswa_matkul where kode_matkul='TIF001';
+-----------+-------------+-------+
| nim       | kode_matkul | nilai |
+-----------+-------------+-------+
| L200150083 | TIF001      |    70 |
| L200150088 | TIF001      |    80 |
| L200150099 | TIF001      |    70 |
| L200150112 | TIF001      |    90 |
| L200150113 | TIF001      |    70 |
| L200150117 | TIF001      |    80 |
| L200150118 | TIF001      |    80 |
| L200150123 | TIF001      |    85 |
| L200150127 | TIF001      |    90 |
| L200150128 | TIF001      |    80 |
| L200150129 | TIF001      |    80 |
| L200150144 | TIF001      |    80 |
| L200150146 | TIF001      |    90 |
| L200154001 | TIF001      |    70 |
+-----------+-------------+-------+
14 rows in set (0.00 sec)
```

```
MariaDB [perkuliahan]> select mahasiswa.nim, mahasiswa.nama from mahasiswa, link_mahasiswa_matkul, matkul where mahasiswa.nim=link_mahasiswa_ma
tkul.nim and matkul.kode_matkul=link_mahasiswa_matkul.kode_matkul and matkul.kode_matkul in (select kode_matkul from matkul where kode_dosen='D
004') group by mahasiswa.nim, mahasiswa.nama having count(matkul.kode_matkul)=(select count(kode_matkul) from matkul where kode_dosen ='D004');
+-----------+-----------------------------+
| nim       | nama                        |
+-----------+-----------------------------+
| L200150088 | Khofa Prayoga               |
| L200150099 | Purwantinah                 |
| L200150117 | Widiyarti Endang Saputri    |
| L200150123 | Danindya Puput Muliana Putri|
| L200150128 | Sulthana Dzakira Drajat     |
| L200150129 | Fendy                       |
| L200150144 | Sam'an Alghozy              |
| L200150146 | Fakhrur Razi                |
| L200154001 | Khilyatin Ulin Fitri        |
+-----------+-----------------------------+
9 rows in set (0.00 sec)
```

```
MariaDB [perkuliahan]>
MariaDB [perkuliahan]> update link_mahasiswa_matkul as link set link.kode_matkul='TIF010' where link.nim in (select distinct mahasiswa.nim from
 mahasiswa where link.kode_matkul='TIF009');
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```