Nama   : Lail Nur Rachman
NIM   : L200170137
Kelas E

Modul 10

Langkah Praktikum.
Nomor 1-4

Nomor 5

Nomor 6

Nomor 7

Nomor 8

```
MariaDB [perbankan]> SELECT * FROM transaksi where jumlah > (SELECT AVG(jumlah) FROM transaksi);
+-------------+-------------+--------------+----------------+---------------------+---------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal            | jumlah  |
+-------------+-------------+--------------+----------------+---------------------+---------+
|          73 |           2 |          110 | debit          | 2017-05-24 00:00:00 |  547000 |
|          79 |          12 |          101 | debit          | 2017-05-26 00:00:00 | 9700000 |
|          80 |          12 |          101 | debit          | 2017-05-26 00:00:00 | 8500000 |
|          81 |           1 |          111 | kredit         | 2017-05-26 00:00:00 |  520000 |
|          85 |          13 |          109 | debit          | 2017-05-26 00:00:00 |  700000 |
|          89 |          13 |          109 | debit          | 2017-06-08 00:00:00 |  700000 |
|          90 |          13 |          109 | debit          | 2017-06-08 00:00:00 |  700000 |
|          91 |          13 |          109 | debit          | 2017-06-08 00:00:00 |  700000 |
+-------------+-------------+--------------+----------------+---------------------+---------+
8 rows in set (0.07 sec)
```
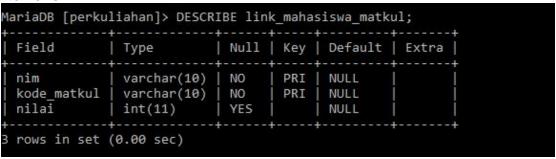
Tugas.
Nomor 1

```
MariaDB [(none)]> use perkuliahan;
Database changed
MariaDB [perkuliahan]> SELECT mahasiswa.nim FROM Mahasiswa, matkul, link_mahasiswa_matkul WHERE mahasiswa.nim = link_mahasiswa_matkul.nim AND matkul.kode_matkul = link_
mahasiswa_matkul.kode_matkul AND mahasiswa.nim NOT IN (SELECT link_mahasiswa_matkul.nim FROM link_mahasiswa_matkul WHERE kode_matkul = 'TIF003') GROUP BY mahasiswa.nim;
+-----------+
| nim       |
+-----------+
| L200150118 |
| L200150125 |
+-----------+
2 rows in set (0.00 sec)

MariaDB [perkuliahan]> SELECT * FROM link_mahasiswa_matkul WHERE kode_matkul = 'TIF003';
+-----------+-------------+-------+
| nim       | kode_matkul | nilai |
+-----------+-------------+-------+
| L200150083 | TIF003     |    70 |
| L200150088 | TIF003     |    80 |
| L200150099 | TIF003     |    70 |
| L200150112 | TIF003     |    70 |
| L200150113 | TIF003     |    70 |
| L200150117 | TIF003     |    70 |
| L200150123 | TIF003     |    85 |
| L200150127 | TIF003     |    94 |
| L200150128 | TIF003     |    78 |
| L200150129 | TIF003     |    88 |
| L200150144 | TIF003     |    70 |
| L200150146 | TIF003     |    90 |
| L200154001 | TIF003     |    90 |
+-----------+-------------+-------+
13 rows in set (0.00 sec)
```

Nomor 2

```
MariaDB [perkuliahan]> SELECT mahasiswa.nim, mahasiswa.nama FROM mahasiswa, link_mahasiswa_matkul, matkul WHERE mahasiswa.nim = link_mahasiswa_matkul.nim AND matkul.kod
e_matkul = link_mahasiswa_matkul.kode_matkul AND matkul.kode_matkul IN (SELECT kode_matkul FROM matkul WHERE kode_dosen = 'D001') GROUP BY mahasiswa.nim, mahasiswa.nama
 HAVING COUNT(matkul.kode_matkul) = (SELECT COUNT(kode_matkul) FROM matkul WHERE kode_dosen = 'D001');
+-----------+--------------------------+
| nim       | nama                     |
+-----------+--------------------------+
| L200150083 | Diyan Bima Saputra       |
| L200150088 | Khofa Prayoga            |
| L200150099 | Purwantinah              |
| L200150112 | Dwi Pratiwi Putri        |
| L200150113 | Ismi Kamelia Najib Putri |
| L200150117 | Widiyarti Endang Saputri |
| L200150123 | Danindya Puput Muliana Putri |
| L200150125 | Indra Bayu Candra Gupta  |
| L200150127 | Lyon                     |
| L200150128 | Sulthana Dzakira Drajat  |
| L200150129 | Fendy                    |
| L200150144 | Sam'an Alghozy           |
| L200150146 | Fakhrur Razi             |
| L200154001 | Khilyatin Ulin Fitri     |
+-----------+--------------------------+
14 rows in set (0.07 sec)
```

Nomor 3

```
MariaDB [perkuliahan]> DESCRIBE link_mahasiswa_matkul;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| nim         | varchar(10) | NO   | PRI | NULL    |       |
| kode_matkul | varchar(10) | NO   | PRI | NULL    |       |
| nilai       | int(11)     | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
MariaDB [perkuliahan]> SELECT * FROM link_mahasiswa_matkul;
+------------+-------------+-------+
| nim        | kode_matkul | nilai |
+------------+-------------+-------+
| L200150083 | TIF001      |    70 |
| L200150083 | TIF002      |    60 |
| L200150083 | TIF003      |    70 |
| L200150083 | TIF004      |    88 |
| L200150083 | TIF005      |    79 |
| L200150088 | TIF001      |    80 |
| L200150088 | TIF002      |    80 |
| L200150088 | TIF003      |    80 |
| L200150088 | TIF004      |    80 |
| L200150088 | TIF005      |    80 |
| L200150088 | TIF006      |    80 |
| L200150088 | TIF007      |    84 |
| L200150088 | TIF008      |    80 |
| L200150088 | TIF010      |    80 |
| L200150099 | TIF001      |    70 |
| L200150099 | TIF002      |    80 |
| L200150099 | TIF003      |    70 |
| L200150099 | TIF004      |    70 |
| L200150099 | TIF005      |    90 |
| L200150099 | TIF006      |    80 |
| L200150099 | TIF007      |    74 |
| L200150099 | TIF008      |    70 |
| L200150099 | TIF010      |    70 |
| L200150112 | TIF001      |    90 |
| L200150112 | TIF002      |    70 |
| L200150112 | TIF003      |    70 |
| L200150112 | TIF004      |    80 |
| L200150112 | TIF005      |    70 |
| L200150112 | TIF008      |    70 |
| L200150112 | TIF010      |    70 |
| L200150113 | TIF001      |    70 |
| L200150113 | TIF002      |    60 |
| L200150113 | TIF003      |    70 |
| L200150113 | TIF004      |    80 |
| L200150113 | TIF005      |    70 |
| L200150113 | TIF008      |    70 |
| L200150113 | TIF010      |    80 |
| L200150117 | TIF001      |    80 |
| L200150117 | TIF002      |    80 |
| L200150117 | TIF003      |    70 |
```

```
| L200150117 | TIF003 |  70 |
| L200150117 | TIF004 |  88 |
| L200150117 | TIF005 |  89 |
| L200150117 | TIF006 |  80 |
| L200150117 | TIF007 |  81 |
| L200150118 | TIF001 |  80 |
| L200150118 | TIF002 |  80 |
| L200150118 | TIF006 |  80 |
| L200150118 | TIF007 |  84 |
| L200150118 | TIF008 |  80 |
| L200150118 | TIF010 |  90 |
| L200150123 | TIF001 |  85 |
| L200150123 | TIF002 |  85 |
| L200150123 | TIF003 |  85 |
| L200150123 | TIF004 |  85 |
| L200150123 | TIF005 |  85 |
| L200150123 | TIF006 |  85 |
| L200150123 | TIF007 |  85 |
| L200150123 | TIF008 |  85 |
| L200150123 | TIF010 |  85 |
| L200150125 | TIF005 |  85 |
| L200150125 | TIF006 |  60 |
| L200150125 | TIF007 |  78 |
| L200150125 | TIF008 |  78 |
| L200150125 | TIF010 |  82 |
| L200150127 | TIF001 |  90 |
| L200150127 | TIF002 |  85 |
| L200150127 | TIF003 |  94 |
| L200150127 | TIF004 |  96 |
| L200150127 | TIF005 |  80 |
| L200150127 | TIF007 |  85 |
| L200150127 | TIF008 |  80 |
| L200150127 | TIF010 |  92 |
| L200150128 | TIF001 |  80 |
| L200150128 | TIF002 |  80 |
| L200150128 | TIF003 |  78 |
| L200150128 | TIF004 |  80 |
| L200150128 | TIF005 |  76 |
| L200150128 | TIF006 |  80 |
| L200150128 | TIF007 |  74 |
| L200150128 | TIF008 |  85 |
| L200150128 | TIF010 |  80 |
| L200150129 | TIF001 |  80 |
| L200150129 | TIF002 |  90 |
```

```
| L200150128 | TIF003 |   78 |
| L200150128 | TIF004 |   80 |
| L200150128 | TIF005 |   76 |
| L200150128 | TIF006 |   80 |
| L200150128 | TIF007 |   74 |
| L200150128 | TIF008 |   85 |
| L200150128 | TIF010 |   80 |
| L200150129 | TIF001 |   80 |
| L200150129 | TIF002 |   90 |
| L200150129 | TIF003 |   88 |
| L200150129 | TIF004 |   80 |
| L200150129 | TIF005 |   96 |
| L200150129 | TIF006 |   90 |
| L200150129 | TIF007 |   94 |
| L200150129 | TIF008 |   85 |
| L200150129 | TIF010 |   90 |
| L200150144 | TIF001 |   80 |
| L200150144 | TIF002 |   80 |
| L200150144 | TIF003 |   70 |
| L200150144 | TIF004 |   78 |
| L200150144 | TIF005 |   79 |
| L200150144 | TIF006 |   80 |
| L200150144 | TIF007 |   81 |
| L200150146 | TIF001 |   90 |
| L200150146 | TIF002 |   90 |
| L200150146 | TIF003 |   90 |
| L200150146 | TIF004 |   90 |
| L200150146 | TIF005 |   90 |
| L200150146 | TIF006 |   90 |
| L200150146 | TIF007 |   94 |
| L200150146 | TIF008 |   90 |
| L200150146 | TIF010 |   90 |
| L200154001 | TIF001 |   70 |
| L200154001 | TIF002 |   80 |
| L200154001 | TIF003 |   90 |
| L200154001 | TIF004 |   80 |
| L200154001 | TIF005 |   70 |
| L200154001 | TIF006 |   80 |
| L200154001 | TIF007 |   94 |
| L200154001 | TIF008 |   80 |
| L200154001 | TIF010 |   70 |
+------------+------------+-------+
115 rows in set (0.00 sec)
```

```
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.k
ode_matkul = 'TIF009');
Query OK, 0 rows affected (0.05 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [perkuliahan]> SELECT * FROM link_mahasiswa_matkul;
+-----------+-------------+-------+
| nim       | kode_matkul | nilai |
+-----------+-------------+-------+
| L200150083 | TIF001     |    70 |
| L200150083 | TIF002     |    60 |
| L200150083 | TIF003     |    70 |
| L200150083 | TIF004     |    88 |
| L200150083 | TIF005     |    79 |
| L200150088 | TIF001     |    80 |
| L200150088 | TIF002     |    80 |
| L200150088 | TIF003     |    80 |
| L200150088 | TIF004     |    80 |
| L200150088 | TIF005     |    80 |
| L200150088 | TIF006     |    80 |
| L200150088 | TIF007     |    84 |
| L200150088 | TIF008     |    80 |
| L200150088 | TIF010     |    80 |
| L200150099 | TIF001     |    70 |
| L200150099 | TIF002     |    80 |
| L200150099 | TIF003     |    70 |
| L200150099 | TIF004     |    70 |
| L200150099 | TIF005     |    90 |
| L200150099 | TIF006     |    80 |
| L200150099 | TIF007     |    74 |
| L200150099 | TIF008     |    70 |
| L200150099 | TIF010     |    70 |
| L200150112 | TIF001     |    90 |
| L200150112 | TIF002     |    70 |
| L200150112 | TIF003     |    70 |
| L200150112 | TIF004     |    80 |
| L200150112 | TIF005     |    70 |
| L200150112 | TIF008     |    70 |
| L200150112 | TIF010     |    70 |
| L200150113 | TIF001     |    70 |
| L200150113 | TIF002     |    60 |
| L200150113 | TIF003     |    70 |
| L200150113 | TIF004     |    80 |
| L200150113 | TIF005     |    70 |
```

L200150113	TIF005	70
L200150113	TIF008	70
L200150113	TIF010	80
L200150117	TIF001	80
L200150117	TIF002	80
L200150117	TIF003	70
L200150117	TIF004	88
L200150117	TIF005	89
L200150117	TIF006	80
L200150117	TIF007	81
L200150118	TIF001	80
L200150118	TIF002	80
L200150118	TIF006	80
L200150118	TIF007	84
L200150118	TIF008	80
L200150118	TIF010	90
L200150123	TIF001	85
L200150123	TIF002	85
L200150123	TIF003	85
L200150123	TIF004	85
L200150123	TIF005	85
L200150123	TIF006	85
L200150123	TIF007	85
L200150123	TIF008	85
L200150123	TIF010	85
L200150125	TIF005	85
L200150125	TIF006	60
L200150125	TIF007	78
L200150125	TIF008	78
L200150125	TIF010	82
L200150127	TIF001	90
L200150127	TIF002	85
L200150127	TIF003	94
L200150127	TIF004	96
L200150127	TIF005	80
L200150127	TIF007	85
L200150127	TIF008	80
L200150127	TIF010	92
L200150128	TIF001	80
L200150128	TIF002	80
L200150128	TIF003	78
L200150128	TIF004	80
L200150128	TIF005	76
L200150128	TIF006	80

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| L200150128 | TIF005 | 76 |
| L200150128 | TIF006 | 80 |
| L200150128 | TIF007 | 74 |
| L200150128 | TIF008 | 85 |
| L200150128 | TIF010 | 80 |
| L200150129 | TIF001 | 80 |
| L200150129 | TIF002 | 90 |
| L200150129 | TIF003 | 88 |
| L200150129 | TIF004 | 80 |
| L200150129 | TIF005 | 96 |
| L200150129 | TIF006 | 90 |
| L200150129 | TIF007 | 94 |
| L200150129 | TIF008 | 85 |
| L200150129 | TIF010 | 90 |
| L200150144 | TIF001 | 80 |
| L200150144 | TIF002 | 80 |
| L200150144 | TIF003 | 70 |
| L200150144 | TIF004 | 78 |
| L200150144 | TIF005 | 79 |
| L200150144 | TIF006 | 80 |
| L200150144 | TIF007 | 81 |
| L200150146 | TIF001 | 90 |
| L200150146 | TIF002 | 90 |
| L200150146 | TIF003 | 90 |
| L200150146 | TIF004 | 90 |
| L200150146 | TIF005 | 90 |
| L200150146 | TIF006 | 90 |
| L200150146 | TIF007 | 94 |
| L200150146 | TIF008 | 90 |
| L200150146 | TIF010 | 90 |
| L200154001 | TIF001 | 70 |
| L200154001 | TIF002 | 80 |
| L200154001 | TIF003 | 90 |
| L200154001 | TIF004 | 80 |
| L200154001 | TIF005 | 70 |
| L200154001 | TIF006 | 80 |
| L200154001 | TIF007 | 94 |
| L200154001 | TIF008 | 80 |
| L200154001 | TIF010 | 70 |
+------------+------------+-------+
115 rows in set (0.00 sec)
```