NAMA   : PUJI NUGROHO
NIM   : L200170123
KELAS   : E
MODUL   : 10

Kegiatan Praktikum

Nomor 5.

```
C:\Windows\system32\cmd.exe - mysql  -u root -p                                                                    —    🗗    ×

Microsoft Windows [Version 10.0.17134.765]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>cd/

C:\>cd c:xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 198
Server version: 10.1.38-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)]> use perbankan;
Database changed
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nasabah.id_nasabah IN (SELECT DISTINCT transaksi.id_nasabah FROM transaksi WHERE jenis_transaksi = 'kredit');
+------------+------------------+----------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah       |
+------------+------------------+----------------------+
|          1 | Sutopo           | Jl. Jendral Sudirman 12 |
|          3 | Suparman         | Jl. Hasanudin 81     |
|          4 | Kartika Padmasari| Jl. Manggis 15       |
|          5 | Budi Eko Prayogo | Jl. Kanti 30         |
|          9 | Canka Locananta  | jl. Tidar 86         |
+------------+------------------+----------------------+
5 rows in set (0.00 sec)
```

Nomor 6.

```
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nasabah.id_nasabah NOT IN (SELECT DISTINCT transaksi.id_nasabah FROM transaksi);
+------------+------------------+----------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah       |
+------------+------------------+----------------------+
|          6 | Satria Eka Jaya  | Jl. Slamet Riyadi 45 |
|          7 | Indri Hapsari    | Jl. Sutoyo           |
|          8 | Sari Murti       | Jl. Pangandaran      |
|         10 | Budi Murtono     | Jl. Merak 22         |
+------------+------------------+----------------------+
4 rows in set (0.00 sec)
```

Nomor 7.

```
MariaDB [perbankan]> SELECT cabang_bank.kode_cabang, cabang_bank.nama_cabang, AVG(rekening.saldo) AS rata2 FROM cabang_bank, rekening WHERE cabang_bank.kode_cabang=reke
ning.kode_cabang GROUP BY cabang_bank.kode_cabang HAVING rata2 >= ALL (SELECT AVG (saldo) FROM rekening GROUP BY kode_cabang);
+-------------+-----------------------+-------------+
| kode_cabang | nama_cabang           | rata2       |
+-------------+-----------------------+-------------+
| BRUM        | Bank Rut Unit Magelang | 900000.0000 |
+-------------+-----------------------+-------------+
1 row in set (0.00 sec)
```

Nomor 8.

```
MariaDB [perbankan]> SELECT * FROM transaksi WHERE jumlah > (SELECT AVG(jumlah) FROM transaksi);
+------------+------------+------------+-----------------+------------+--------+
| no_transaksi | id_nasabah | no_rekening | jenis_transaksi | tanggal    | jumlah |
+------------+------------+------------+-----------------+------------+--------+
|          6 |          1 |        104 | kredit          | 2009-11-15 | 200000 |
|          7 |          9 |        110 | kredit          | 2009-11-15 | 150000 |
|         10 |          4 |        107 | debit           | 2009-11-19 | 100000 |
|         11 |          2 |        103 | debit           | 2009-11-19 | 100000 |
+------------+------------+------------+-----------------+------------+--------+
4 rows in set (0.00 sec)
```

TUGAS

NOMOR 1.

```
MariaDB [perbankan]> 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_maha
siswa_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 (0.13 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.kode_
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 HAVIN
G 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 (0.00 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 (0.01 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 | 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 |
```

```
| 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 |
| 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 |
```

```
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

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 |
```