Laporan Praktikum Sistem Basis Data

Nama   : Febrianto Ridwan Syah
NIM   : L200170121
Kelas   : E
Modul   : 10 (SubQuery)

Kegiatan Praktikum. Nomer 5.

Nomer 6.

Nomer 7.

Nomer 8.

TUGAS.

Nomer 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)
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Nomer 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)
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Nomer 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 |
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| 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 |
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| 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 |
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```
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 |
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| 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 |
| L200150128 | TIF001 |   80 |
| L200150128 | TIF002 |   80 |
| L200150128 | TIF003 |   78 |
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| 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]>
```