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NIM : L200170137
Kelas E

Modul 10

Langkah Praktikum.

Nomor 1-4

```
Ca Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.17134.407]
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C:\Users\asusX441u>cd..

C:\Users>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 2
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
```

Nomor 5

```
MariaDB [perbankan]> SELECT * FROM nasabah where nasabah.id_nasabah IN (select DISTINCT transaksi.id_nasabahFK from transaksi where jenis_transaksi = 'kredit');
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl.Jendral Sudirman |
| 2 | Maryati | Jl.MT.Haryono 31 |
| 3 | Suparman | Jl.Hasanudin 81 |
| 4 | Kartika Padmasari | Jl.Manggis 15 |
| 5 | Budi Eko Prayogo | Jl.Kantil 30 |
| 7 | Indri Hapsari | Jl.Sutoyo 5 |
| 8 | Sari Murni | Jl.Pangandaran 15 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Budi Murtono | Jl.Nerak 22 |
+-----+-----+-----+
9 rows in set (0.22 sec)
```

Nomor 6

```
MariaDB [perbankan]> SELECT * FROM nasabah where nasabah.id_nasabah NOT IN (select DISTINCT transaksi.id_nasabahFK from transaksi);
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 31 | Susilo | Sukohanjo |
| 32 | Susi | Karanganyar |
+-----+-----+-----+
2 rows in set (0.05 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 = 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 |
+-----+-----+-----+
1 row in set (0.14 sec)
```

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.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 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)
```

CA Command Prompt - mysql -u root -p

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 |

CA Command Prompt - mysql -u root -p

| | | | |
|------------|--------|----|--|
| 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) | | |

```
Command Prompt - mysql -u root -p
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 |

Activate Windows
Go to Settings to activate Windows.

CA Command Prompt - mysql -u root -p

| | | | |
|------------|--------|----|--|
| 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 | |

| | | |
|----------------------------|--------|----|
| 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) | | |