

NAMA : DITA DENITA PRAMESTI

NIM : L200170139

KELAS : E

MODUL :10

TUGAS

1. Tampilkan daftar nama yang tidak mengambil mata kuliah

```
MariaDB [perkuliahan2]> select *from mahasiswa where nim not in(select distinct link_mahasiswa_matkul.nim from link_mahasiswa_matkul where kode_matkul='TIF002');
+-----+-----+-----+-----+
| nim      | nama                | alamat    | tgl_lahir |
+-----+-----+-----+-----+
| L200150125 | Indra Bayu Candra Gupta | Wonogiri  | 1993-08-28 |
+-----+-----+-----+-----+
1 row in set (0.10 sec)

MariaDB [perkuliahan2]> select *from mahasiswa where nim not in(select distinct link_mahasiswa_matkul.nim from link_mahasiswa_matkul where kode_matkul='TIF004');
+-----+-----+-----+-----+
| nim      | nama                | alamat    | tgl_lahir |
+-----+-----+-----+-----+
| L200150110 | Rina Kurniasari      | Wonogiri  | 1997-11-11 |
| L200150125 | Indra Bayu Candra Gupta | Wonogiri  | 1993-08-28 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

2. Tampilkan daftar mahasiswa yang mengambil semua mata kuliah yang diampu oleh salah satu dosen.

```
MariaDB [perkuliahan2]> 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='D004') 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 | Danindyia Puput Muliiana Putri |
| L200150128 | Sulthana Dzakira Drajat |
| L200150129 | Fendy              |
| L200150144 | Sam'an Alghozy     |
| L200150146 | Fakhrur Razi       |
| L200154001 | Khilyatin Ulin Fitri |
+-----+-----+
9 rows in set (0.22 sec)
```

3. Melakukan update data menggunakan query.

```
MariaDB [perkuliahan2]> 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 (1.62 sec)
Rows matched: 0 Changed: 0 Warnings: 0
```

Soal tambahan

- 1.

```
MariaDB [perbankan2]> select AVG(jumlah) from transaksi;
+-----+
| AVG(jumlah) |
+-----+
| 517360.0000 |
+-----+
1 row in set (0.07 sec)
```

2.

```
MariaDB [perbankan2]> select jumlah from transaksi where jumlah <(select AVG(jumlah) from transaksi);
```

```
-----+
| jumlah |
+-----+
| 50000  |
| 40000  |
| 20000  |
| 50000  |
| 30000  |
| 20000  |
| 150000 |
| 20000  |
| 50000  |
| 100000 |
| 100000 |
| 50000  |
| 200000 |
| 40000  |
| 100000 |
| 20000  |
| 50000  |
| 50000  |
| 100000 |
| 50000  |
| 200000 |
| 100000 |
| 20000  |
| 50000  |
| 250000 |
| 125000 |
| 130000 |
| 357000 |
| 26000  |
| 50000  |
| 50000  |
| 50000  |
```

3. No 3,4,5

```
MariaDB [perbankan2]> select jumlah from transaksi where jumlah >(select AVG(jumlah) from transaksi);
```

```
-----+
| jumlah |
+-----+
| 547000  |
| 9700000 |
| 8500000 |
| 520000  |
| 700000  |
| 700000  |
| 700000  |
```

```
8 rows in set (0.00 sec)
```

```
MariaDB [perbankan2]> select distinct (nama_nasabah), jumlah from nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahFK AND jumlah>(select AVG(jumlah) from transaksi);
```

```
-----+-----+
| nama_nasabah | jumlah |
+-----+-----+
| Maryati      | 547000 |
| Jon Koplo    | 9700000|
| Jon Koplo    | 8500000|
| Sutopo       | 520000 |
| Anggit       | 700000 |
```

```
5 rows in set (1.54 sec)
```

```
MariaDB [perbankan2]> select no_rekening from rekening where saldo > (select AVG(saldo) from rekening);
```

```
-----+
| no_rekening |
+-----+
| 101         |
| 103         |
| 104         |
| 108         |
| 110         |
```

```
5 rows in set (0.15 sec)
```

```
MariaDB [perbankan2]>
```