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## MODUL 9

1. Ambil salah satu mata kuliah. Tampilkan data mahasiswa yang tidak mengambil mata kuliah tersebut.

```
MariaDB [(none)]> use perkuliahan3
Database changed
MariaDB [perkuliahan3]> select mhs.nim,mhs.nama from mahasiswa mhs, link_
_mahasiswa_matkul lmm, matkul mk where mhs.nim =lmm.nim and mk.kode_matk
ul = lmm.kode_matkul and mhs.nim not in (select mhs.nim from mahasiswa m
hs, link_mahasiswa_matkul lmm, matkul mk where mhs.nim = lmm.nim.kode_ma
tkul = lmm.kode_matkul and mk.kode_matkul = 'TIF003') group by mhs.nim;
ERROR 1054 (42S22): Unknown column 'lmm.nim.kode_matkul' in 'where claus
e'
MariaDB [perkuliahan3]> select mhs.nim,mhs.nama from mahasiswa mhs, link_
_mahasiswa_matkul lmm, matkul mk where mhs.nim =lmm.nim and mk.kode_matk
ul = lmm.kode_matkul and mhs.nim not in (select mhs.nim from mahasiswa m
hs, link_mahasiswa_matkul lmm, matkul mk where mhs.nim = lmm.nim and mk.
kode_matkul = lmm.kode_matkul and mk.kode_matkul = 'TIF003') group by m
s.nim;
+-----+-----+
| nim      | nama                                |
+-----+-----+
| L200150118 | Rina Kurniasari                    |
| L200150125 | Indra Bayu Candra Gupta            |
+-----+-----+
2 rows in set (0.00 sec)
```

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

```

MariaDB [perkuliahan3]> select mhs.nim, mhs.nama from mahasiswa mhs, matkul mk, link_mahasiswa_matkul lmm where mhs.nim = lmm.nim and mk.kode_matkul = lmm.kode_matkul and mk.kode_matkul in (select kode_matkul from matkul where kode_dosen = 'D004') group by mhs.nim having count(mk.kode_matkul) = (select count(kode_matkul) from matkul where kode_dosen = 'D004');
+-----+-----+
| nim      | nama                                |
+-----+-----+
| L200150088 | Khofa Prayoga                      |
| L200150099 | Purwantinah                       |
| L200150117 | Widiyarti Endang Saputri          |
| L200150123 | Danindya Puput Muliana Putri     |
| L200150128 | Sulthana Dzakira Drajat           |
| L200150129 | Fendy                             |
| L200150144 | Sam'an Alghozy                    |
| L200150146 | Fakhrur Razi                      |
| L200154001 | Khilyatin Ulin Fitri              |
+-----+-----+
9 rows in set (0.00 sec)

MariaDB [perkuliahan3]>

```

3. Melakukan update , karena salah satu matkul(A) dihilangkan, seluruh mahasiswa yang mengambil mata kuliah tersebut dipindahkan untuk mengambil mata kuliah lain(B).

```

MariaDB [perkuliahan3]> update link_mahasiswa_matkul
-> set kode_matkul = (select kode_matkul from matkul where nama_matkul like 'Metode Penelitian & Publikasi Ilmiah')
-> where kode_matkul = (select kode_matkul from matkul where nama_matkul like 'Sistem Digital');
Query OK, 12 rows affected (0.09 sec)
Rows matched: 12  Changed: 12  Warnings: 0

MariaDB [perkuliahan3]>

```