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Modul 10

SubQuery

1.

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

D:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 16
Server version: 10.1.38-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database perkuliahan;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use perkuliahan;
Database changed
MariaDB [perkuliahan]> select 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 mahasiswa.nim
-> NOT IN
-> (select mahasiswa.nim from matkul, mahasiswa, link_mahasiswa_matkul
-> where link_mahasiswa_matkul.nim = mahasiswa.nim
-> and link_mahasiswa_matkul.kode_matkul = matkul.kode_matkul
-> and matkul.nama_matkul = "Sistem Basis Data")
-> group by mahasiswa.nim;
+-----+
| nama |
+-----+
| Rina Kurniasari |
| Indra Bayu Candra Gupta |
+-----+
2 rows in set (0.12 sec)

MariaDB [perkuliahan]>
```

2.

```
Command Prompt - mysql -u root -p
+-----+
2 rows in set (0.12 sec)

MariaDB [perkuliahan]> select 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 matkul.kode_matkul from matkul, dosen
-> where dosen.kode_dosen = matkul.kode_dosen
-> and dosen.nama = "Nurgiyatna")
-> group by mahasiswa.nim
-> having count(matkul.kode_matkul) = (Select count(kode_matkul)
-> from matkul where kode_dosen="D001");
+-----+
| nama |
+-----+
| Diyan Bima Saputra |
| Khofa Prayoga |
| Purwantinah |
| Dwi Pratiwi Putri |
| Ismi Kamelia Najib Putri |
| Widiyarti Endang Saputri |
| Danindya Puput Muliana Putri |
| Indra Bayu Candra Gupta |
| Lyon |
| Sulthana Dzakira Drajat |
| Fendy |
| Sam'an Alghozy |
| Fakhrrur Razi |
| Khilyatin Ulin Fitri |
+-----+
14 rows in set (0.01 sec)

MariaDB [perkuliahan]>
```

3.

```
Command Prompt - mysql -u root -p
| Khilyatin Ulin Fitri |
+-----+
14 rows in set (0.01 sec)

MariaDB [perkuliahan]> update link_mahasiswa_matkul
-> set kode_matkul= (select matkul.kode_matkul from matkul where nama_matkul = "Metode Penelitian & Publikasi Ilmiah")
-> where kode_matkul= (select matkul.kode_matkul from matkul where nama_matkul = "Sistem Digital");
Query OK, 12 rows affected (0.13 sec)
Rows matched: 12 Changed: 12 Warnings: 0

MariaDB [perkuliahan]>
```