

Nama : RAFFA AL HABSYI MULYA

Kelas : XI RPL 1

1. Berikut hasil proses database pada lampiran di bawah ini:

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Microsoft Windows [Version 10.0.26100.5074]
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C:\Users\user>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 234
Server version: 10.4.32-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)]> use smkn3medan
Database changed
MariaDB [smkn3medan]> CREATE TABLE jurusan (
    >     id_jurusan INT AUTO_INCREMENT PRIMARY KEY,
    >     nama_jurusan VARCHAR(100) NOT NULL,
    > );
Query OK, 0 rows affected (0.010 sec)

MariaDB [smkn3medan]> CREATE TABLE guru (
    >     id_guru INT AUTO_INCREMENT PRIMARY KEY,
    >     nama_guru VARCHAR(100) NOT NULL,
    >     nip VARCHAR(20) UNIQUE
    > );
Query OK, 0 rows affected (0.022 sec)

MariaDB [smkn3medan]> CREATE TABLE siswa (
    >     id_siswa INT AUTO_INCREMENT PRIMARY KEY,
    >     nama_siswa VARCHAR(100) NOT NULL,
    >     nis VARCHAR(20) UNIQUE NOT NULL,
    >     id_jurusan INT,
    >     id_guru INT,
    >     FOREIGN KEY (id_jurusan) REFERENCES jurusan(id_jurusan),
    >     FOREIGN KEY (id_guru) REFERENCES guru(id_guru)
    > );
Query OK, 0 rows affected (0.021 sec)

MariaDB [smkn3medan]> INSERT INTO jurusan (nama_jurusan) VALUES
    >     ('Rekayasa Perangkat Lunak'),
    >     ('Analisis Pengujian Laboratorium'),
    >     ('Kimia Industri'),
    >     ('Teknik Laboratorium Medik'),
    >     ('Farmasi Klinis dan Komunitas');
Query OK, 5 rows affected (0.006 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [smkn3medan]> INSERT INTO guru (nama_guru, nip) VALUES
    >     ('Bapak Suangli', '198001012005011001'),
    >     ('Ibu Rini Lestari', '198203112006042002'),
    >     ('Bapak Radifa', '197711202001121003'),
    >     ('Ibu Sari Amelia', '198906152010122004'),
    >     ('Bapak Fajrul Napitupuluh', '197901292002031005');
Query OK, 5 rows affected (0.003 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [smkn3medan]> INSERT INTO siswa (nama_siswa, nis, id_jurusan, id_guru) VALUES
    >     ('RAFFA AL HABSYI MULYA', '10101', 1, 1),
    >     ('RANDU ALAMSYAH', '10102', 2, 5),
    >     ('SITI NURAINI', '10103', 4, 2),
    >     ('ZADA SYAKIB HARAHAP', '10104', 3, 4),
    >     ('SHULTAN ABRAR SIREGAR', '10105', 5, 3);
Query OK, 5 rows affected (0.006 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [smkn3medan]> SELECT
    >     siswa.id_siswa,
    >     siswa.nama_siswa,
    >     siswa.nis,
    >     jurusan.nama_jurusan,
    >     guru.nama_guru
    > FROM siswa
    > JOIN jurusan ON siswa.id_jurusan = jurusan.id_jurusan
    > JOIN guru ON siswa.id_guru = guru.id_guru;
+-----+-----+-----+-----+
| id_siswa | nama_siswa | nis   | nama_jurusan | nama_guru |
+-----+-----+-----+-----+
| 1 | RAFFA AL HABSYI MULYA | 10101 | Rekayasa Perangkat Lunak | Bapak Suangli |
| 2 | RANDU ALAMSYAH | 10102 | Analisis Pengujian Laboratorium | Bapak Fajrul Napitupuluh |
| 3 | SITI NURAINI | 10103 | Teknik Laboratorium Medik | Ibu Rini Lestari |
| 4 | ZADA SYAKIB HARAHAP | 10104 | Kimia Industri | Ibu Sari Amelia |
| 5 | SHULTAN ABRAR SIREGAR | 10105 | Farmasi Klinis dan Komunitas | Bapak Radifa |
+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [smkn3medan]>
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