

Nama : RAFFA AL HABSYI MULYA

Kelas : XI RPL 1

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

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Command Prompt - mysql -u x + v
Microsoft Windows [Version 10.0.26100.5874]
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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', '198006152010122004'),
->   ('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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