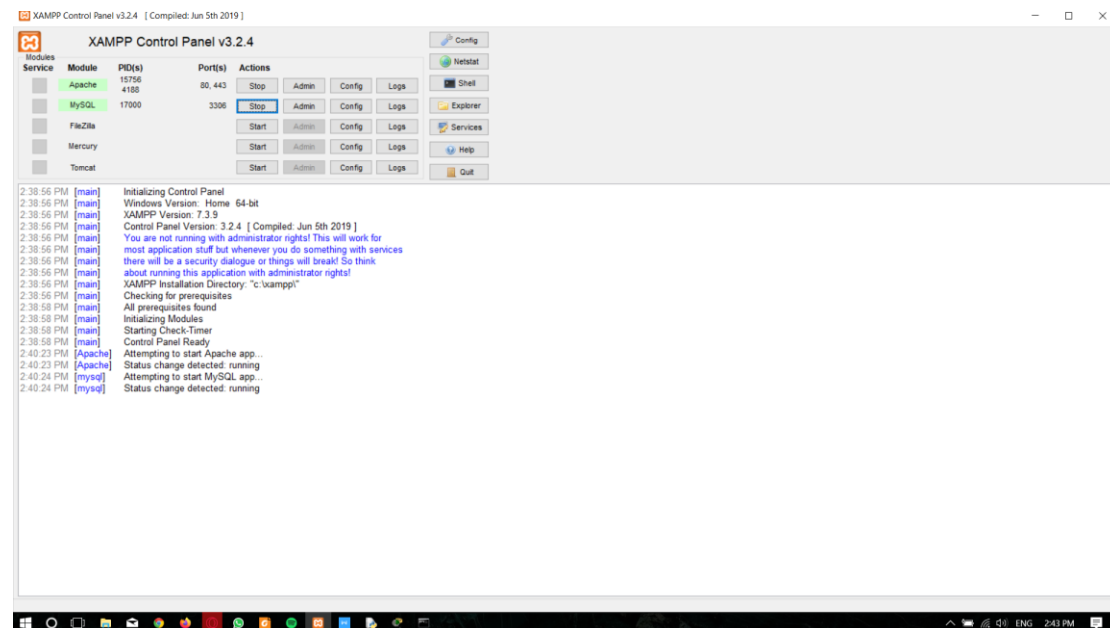


Nama : Luqman Hanung Asidiq  
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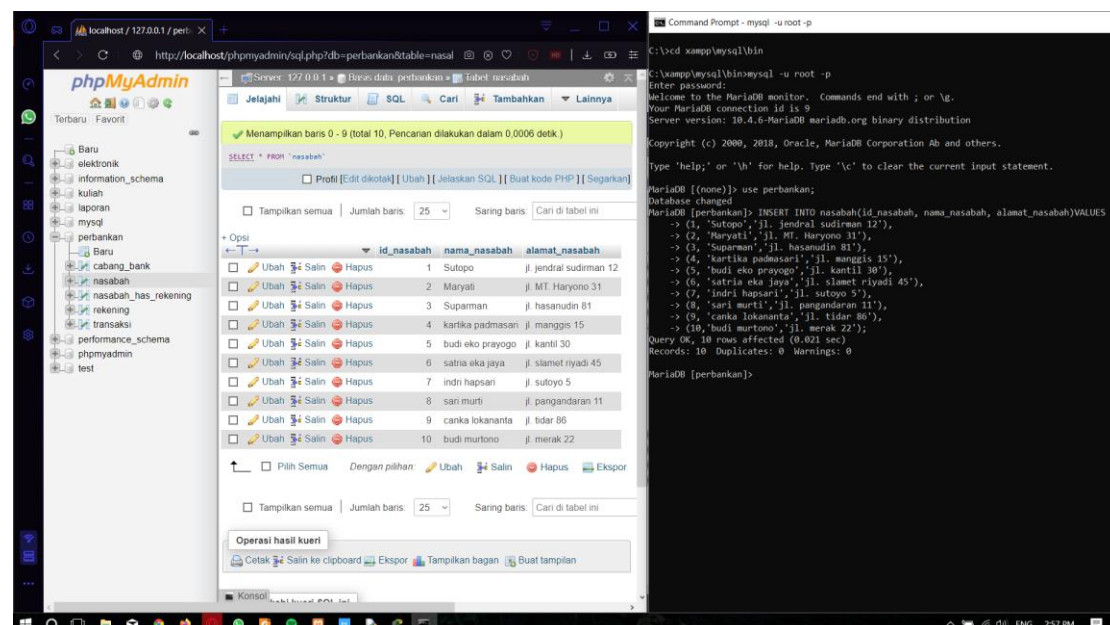
## Praktikum Sistem Basis Data

### Modul 5

### KEGIATAN



Memasukkan data-data kedalam table 'nasabah'.



Memasukkan data-data kedalam table ‘cabang\_bank’.

The screenshot shows two windows. On the left, a MySQL command prompt window displays the following SQL command and its output:

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES  
-> ('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 19'),  
-> ('BRUM', 'Bank Rut Unit Magelang', 'Jl. P. Tendean 63'),  
-> ('BRUB', 'Bank Rut Unit Boyolali', 'Jl. Ahmad Yani 45'),  
-> ('BRUK', 'Bank Rut Unit Klaten', 'Jl. Suparman 23'),  
-> ('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21'),  
-> ('BRUW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Surapati 12');  
Query OK, 6 rows affected (0.008 sec)  
Records: 6 Duplicates: 0 Warnings: 0
```

On the right, the phpMyAdmin interface shows the 'cabang\_bank' table with the following data:

kode_cabang	nama_cabang	alamat_cabang
BRUB	Bank Rut Unit Boyolali	Jl. Ahmad Yani 45
BRUK	Bank Rut Unit Klaten	Jl. Suparman 23
BRUM	Bank Rut Unit Magelang	Jl. P. Tendean 63
BRUS	Bank Rut Unit Surakarta	Jl. Slamet Riyadi 19
BRUW	Bank Rut Unit Wonogiri	Jl. Untung Surapati 12
BRUY	Bank Rut Unit Yogyakarta	Jl. Anggrek 21

Memasukkan data-data kedalam table ‘rekening’.

The screenshot shows two windows. On the left, a MySQL command prompt window displays the following SQL command and its output:

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES  
-> (101, 'BRUS', '1111', 5000000),  
-> (102, 'BRUS', '2222', 3500000),  
-> (103, 'BRUS', '3333', 7500000),  
-> (104, 'BRUM', '4444', 9000000),  
-> (105, 'BRUM', '5555', 20000000),  
-> (106, 'BRUS', '6666', 30000000),  
-> (107, 'BRUS', '7777', 10000000),  
-> (108, 'BRUB', '0000', 50000000),  
-> (109, 'BRUB', '9999', 0),  
-> (110, 'BRUY', '1234', 55000000),  
-> (111, 'BRUK', '4321', 15000000),  
-> (112, 'BRUK', '0123', 30000000),  
-> (113, 'BRUY', '8888', 25500000);  
Query OK, 13 rows affected (0.008 sec)  
Records: 13 Duplicates: 0 Warnings: 0
```

On the right, the phpMyAdmin interface shows the 'rekening' table with the following data:

no_rekening	kode_cabangFK	pin	saldo
101	BRUS	1111	5000000
102	BRUS	2222	3500000
103	BRUS	3333	7500000
104	BRUM	4444	9000000
105	BRUM	5555	20000000
106	BRUS	6666	30000000
107	BRUS	7777	10000000
108	BRUB	0000	50000000
109	BRUB	9999	0
110	BRUY	1234	55000000
111	BRUK	4321	15000000
112	BRUK	0123	30000000
113	BRUY	8888	25500000

Memasukkan data-data kedalam table ‘nasabah\_has\_rekening’.

The image shows a screenshot of a computer screen with two windows. The left window is phpMyAdmin, displaying the 'nasabah\_has\_rekening' table structure and data. The right window is a terminal running a MySQL command to insert data into the same table.

**Table Structure (from phpMyAdmin):**

id_nasabahFK	no_rekeningFK
1	104
2	103
3	105
3	106
4	101
4	107
5	102
5	107
6	109
7	109
8	111
8	112
9	110
10	108
10	113

**Terminal Command and Output:**

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES  
-> (1,104),  
-> (2,103),  
-> (3,105),  
-> (3,106),  
-> (4,101),  
-> (4,107),  
-> (5,102),  
-> (5,107),  
-> (6,109),  
-> (7,109),  
-> (8,111),  
-> (8,112),  
-> (9,110),  
-> (10,108),  
-> (10,113);  
Query OK, 15 rows affected (0.007 sec)  
Records: 15 Duplicates: 0 Warnings: 0  
MariaDB [perbankan]>
```

Memasukkan data-data kedalam table ‘transaksi’.

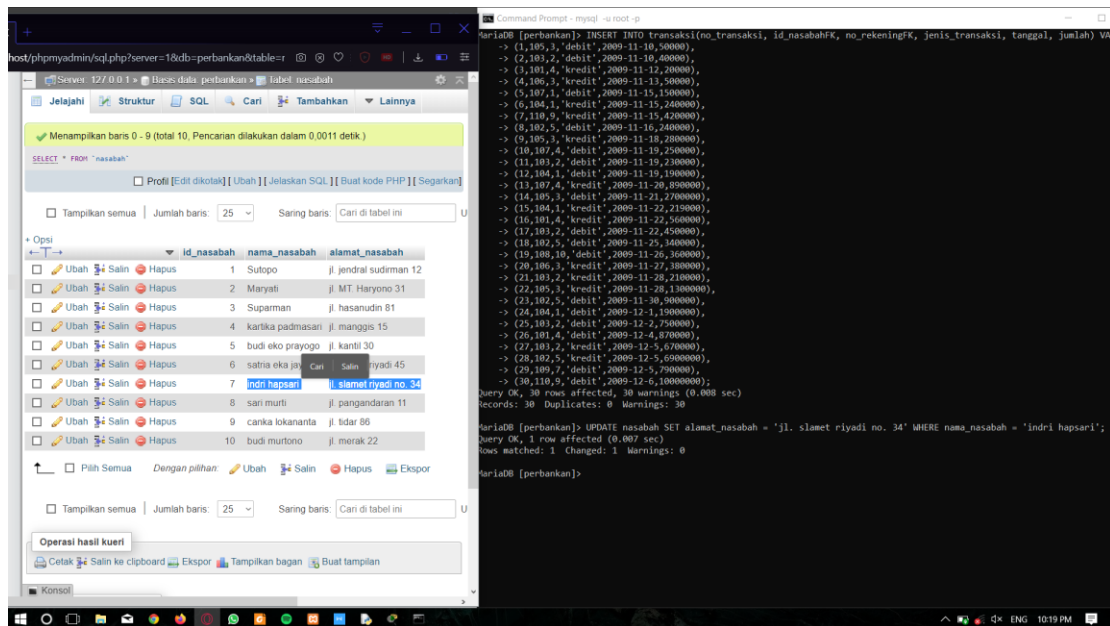
The screenshot displays a web application interface on the left and a terminal window on the right. The web application, titled 'Server: 127.0.0.1', shows a table named 'transaksi' with columns: no\_transaksi, id\_nasabahFK, no\_rekeningFK, and jenis\_transaksi. The table contains 18 rows of data. Each row has action buttons: 'Ubah' (edit), 'Salin' (copy), and 'Hapus' (delete). The terminal window on the right shows a MySQL command prompt where an INSERT statement is being executed. The statement is: 

```
INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES
```

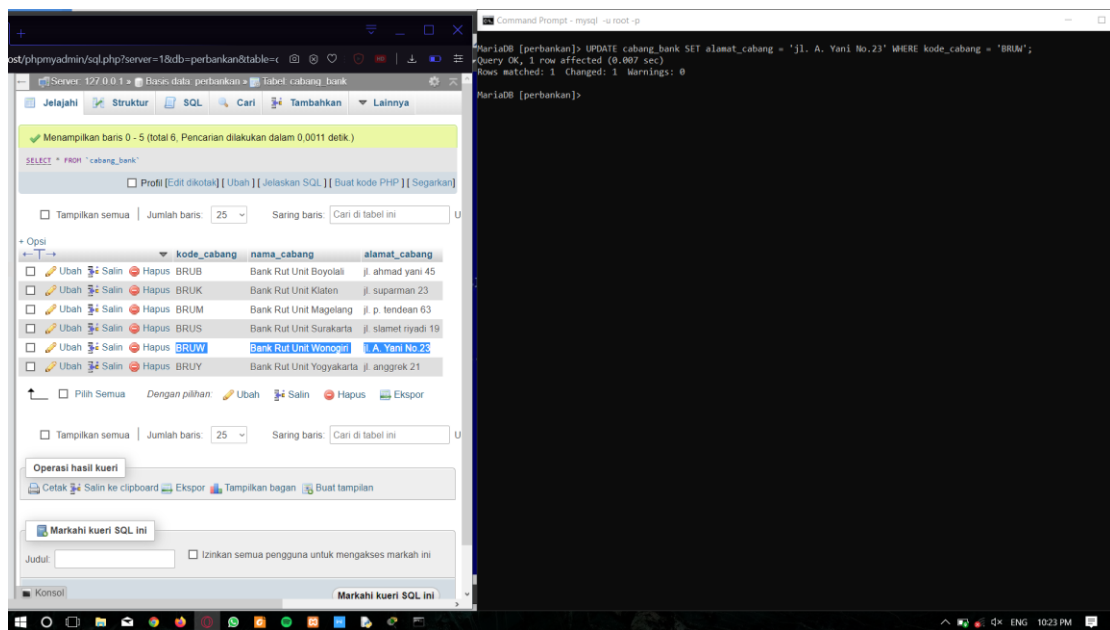
 followed by a list of values. The terminal output shows the query was successful, affecting 30 rows with 30 warnings.

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi
1	105	3	debit
2	103	2	debit
3	101	4	kredit
4	106	3	kredit
5	107	1	debit
6	104	1	kredit
7	110	9	kredit
8	102	5	debit
9	105	3	kredit
10	107	4	debit
11	103	2	debit
12	104	1	debit
13	107	4	kredit
14	105	3	debit
15	104	1	kredit
16	101	4	kredit
17	103	2	debit
18	102	5	debit

Melakukan UPDATE terhadap alamat seorang nasabah.



Melakukan UPDATE alamat pada salah satu cabang bank.



## Menghapus salah satu data pada salah satu table nasabah

The screenshot shows a web application interface on the left and a terminal window on the right. The web application displays a table of customer data with columns: `id_nasabah`, `nama_nasabah`, and `alamat_nasabah`. The table contains 10 rows of data. Below the table, there are buttons for 'Operasi hasil kueri' (Cetak, Salin ke clipboard, Ekspor, Tampilkan bagan, Buat tampilan) and a 'Markahi kueri SQL ini' section. The terminal window on the right shows the following command and output:

```
MariaDB [perbankan]> DELETE FROM nasabah WHERE id_nasabah = 7;
Query OK, 1 row affected (0.006 sec)
MariaDB [perbankan]>
```

## Menghapus salah satu data pada table cabang bank

The screenshot shows a web application interface on the left and a terminal window on the right. The web application displays a table of bank branch data with columns: `kode_cabang`, `nama_cabang`, and `alamat_cabang`. The table contains 5 rows of data. Below the table, there are buttons for 'Operasi hasil kueri' (Cetak, Salin ke clipboard, Ekspor, Tampilkan bagan, Buat tampilan) and a 'Markahi kueri SQL ini' section. The terminal window on the right shows the following command and output:

```
MariaDB [perbankan]> DELETE FROM cabang_bank WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.007 sec)
MariaDB [perbankan]>
```

# TUGAS

Memasukkan data-data kedalam table ‘mahasiswa’.

The screenshot displays the phpMyAdmin interface on the left and a MySQL Command Prompt on the right. The phpMyAdmin window shows the 'mahasiswa' table with 10 rows of student data. The Command Prompt shows the execution of SQL INSERT statements to add data to the 'mahasiswa' table.

**Table Data (from phpMyAdmin):**

nama_mahasiswa	nim	alamat_mahasiswa
Iugman	1200180035	sukoharjo
budi	1200180036	sragen
deni	1200180037	karanganyer
sendi	1200180038	wonogiri
dodo	1200180039	klATEN
dodi	1200180040	klATEN
dido	1200180041	klATEN
roni	1200180042	boyolali
rono	1200180043	sragen
riiri	1200180044	sukoharjo

**SQL Commands (from Command Prompt):**

```
MariaDB [kuliab]> INSERT INTO mahasiswa(nama_mahasiswa, nim, alamat_mahasiswa) Values  
-> ('Iugman','1200180035','sukoharjo');  
Query OK, 1 row affected (0.007 sec)  
  
MariaDB [kuliab]> INSERT INTO mahasiswa(nama_mahasiswa, nim, alamat_mahasiswa) Values  
-> ('budi','1200180036','sragen'),  
-> ('deni','1200180037','karanganyer'),  
-> ('sendi','1200180038','wonogiri');  
Query OK, 3 rows affected (0.007 sec)  
Records: 3 Duplicates: 0 Warnings: 0  
  
MariaDB [kuliab]> INSERT INTO mahasiswa(nama_mahasiswa, nim, alamat_mahasiswa) Values  
-> ('dodo','1200180039','klATEN'),  
-> ('dodi','1200180040','klATEN'),  
-> ('dido','1200180041','klATEN'),  
-> ('roni','1200180042','boyolali'),  
-> ('rono','1200180043','sragen'),  
-> ('riiri','1200180044','sukoharjo');  
Query OK, 6 rows affected (0.007 sec)  
Records: 6 Duplicates: 0 Warnings: 0  
MariaDB [kuliab]>
```

Memasukkan data-data kedalam table ‘dosen’.

The screenshot displays two windows side-by-side. The left window is a web browser showing the phpMyAdmin interface at `http://localhost/phpmyadmin/sql.php?server=1&db=kuliah&table=dosen`. The interface shows the 'dosen' table with columns 'nama\_dosen', 'nip', and 'alamat\_dosen'. A table of 9 rows is visible, with options to edit, delete, or insert data. The right window is a Command Prompt running MySQL. It shows several SQL commands being executed to insert data into the 'mahasiswa' and 'dosen' tables. The commands are as follows:

```
MariaDB [kuliah]> INSERT INTO mahasiswa(nama_mahasiswa, nip, alamat_mahasiswa) Values  
-> ('lugman', '1200180035', 'sukoharjo');  
Query OK, 1 row affected (0.007 sec)  
  
MariaDB [kuliah]> INSERT INTO mahasiswa(nama_mahasiswa, nip, alamat_mahasiswa) Values  
-> ('budi', '1200180036', 'sragen'),  
-> ('dodi', '1200180037', 'karanganyar'),  
-> ('endi', '1200180038', 'wonorejo'),  
-> ('roni', '1200180042', 'boyolali'),  
-> ('rono', '1200180043', 'sragen'),  
-> ('riri', '1200180044', 'sukoharjo');  
Query OK, 6 rows affected (0.007 sec)  
Records: 6 Duplicates: 0 Warnings: 0  
  
MariaDB [kuliah]> INSERT INTO dosen(nama_dosen, nip, alamat_dosen) Values  
-> ('joko', '0001', 'sukoharjo'),  
-> ('jono', '0002', 'sragen'),  
-> ('joni', '0003', 'klaten'),  
-> ('dono', '0004', 'rembang'),  
-> ('dono', '0005', 'klaten'),  
-> ('yuni', '0006', 'boyolali'),  
-> ('ruri', '0007', 'magelang'),  
-> ('john', '0008', 'kudus'),  
-> ('johny', '0009', 'pati'),  
-> ('johson', '0010', 'karanganyar');  
Query OK, 10 rows affected (0.007 sec)  
Records: 10 Duplicates: 0 Warnings: 0  
  
MariaDB [kuliah]>
```

Memasukkan data-data kedalam table 'mata\_kuliah'.





Memasukkan data-data kedalam table 'dosen\_teach\_mata\_kuliah'.

The screenshot shows the phpMyAdmin interface on the left and a MySQL Command Prompt on the right. In phpMyAdmin, the 'dosen\_teach\_mata\_kuliah' table is selected, and a SQL query is executed: `SELECT * FROM 'dosen_teach_mata_kuliah'`. The Command Prompt shows the following SQL commands and their results:

```
on for the right syntax to use near '(1,'1200180037')' at line 3
MariaDB [kuliiah]> INSERT INTO dosen_teach_mahasiswa(nipFK, nimFK) VALUES
-> (1,'1200180036'),
-> (1,'1200180037'),
-> (1,'1200180038'),
-> (1,'1200180039'),
-> (1,'1200180040'),
-> (1,'1200180041'),
-> (1,'1200180042'),
-> (1,'1200180043'),
-> (2,'1200180044'),
-> (2,'1200180045'),
-> (1,'1200180038'),
-> (1,'1200180038'),
-> (1,'1200180039'),
-> (1,'1200180040'),
-> (1,'1200180041'),
-> (1,'1200180042'),
-> (4,'1200180043'),
-> (4,'1200180043'),
-> (4,'1200180044'),
-> (4,'1200180044'),
Query OK, 17 rows affected (0.007 sec)
Records: 17 Duplicates: 0 Warnings: 0

MariaDB [kuliiah]> INSERT INTO dosen_teach_mata_kuliah(nipFK, kode_matkulFK) VALUES
-> (1,'A1');
Query OK, 1 row affected (0.007 sec)

MariaDB [kuliiah]> INSERT INTO dosen_teach_mata_kuliah(nipFK, kode_matkulFK) VALUES
-> (1,'A2'),
-> (1,'A3'),
-> (2,'A1'),
-> (2,'A4'),
-> (2,'A5'),
-> (2,'A5'),
-> (3,'A5'),
-> (3,'A5'),
-> (3,'A7'),
-> (4,'A1'),
-> (4,'A2'),
-> (4,'A3'),
-> (4,'A4'),
-> (4,'A5'),
-> (5,'A7'),
-> (5,'A8'),
-> (5,'A9'),
-> (5,'A10'),
-> (6,'A4');
Query OK, 19 rows affected (0.068 sec)
Records: 19 Duplicates: 0 Warnings: 0

MariaDB [kuliiah]>
```

Memasukkan data-data kedalam table 'mahasiswa\_take\_mata\_kuliah'.

The screenshot shows the phpMyAdmin interface on the left and a MySQL Command Prompt on the right. In phpMyAdmin, the 'mahasiswa\_take\_mata\_kuliah' table is selected, and a SQL query is executed: `SELECT * FROM 'mahasiswa_take_mata_kuliah'`. The Command Prompt shows the following SQL commands and their results:

```
MariaDB [kuliiah]> INSERT INTO mahasiswa_take_mata_kuliah(nimFK, kode_matkulFK) VALUES
-> ('1200180035','A1');
Query OK, 1 row affected (0.003 sec)

MariaDB [kuliiah]> INSERT INTO mahasiswa_take_mata_kuliah(nimFK, kode_matkulFK) VALUES
-> ('1200180035','A2');
Query OK, 1 row affected (0.007 sec)

MariaDB [kuliiah]> INSERT INTO mahasiswa_take_mata_kuliah(nimFK, kode_matkulFK) VALUES
-> ('1200180035','A3'),
-> ('1200180035','A4'),
-> ('1200180035','A5'),
-> ('1200180035','A6'),
-> ('1200180035','A7'),
-> ('1200180036','A1'),
-> ('1200180036','A2'),
-> ('1200180036','A3'),
-> ('1200180036','A4'),
-> ('1200180036','A5'),
-> ('1200180036','A6'),
-> ('1200180036','A7'),
-> ('1200180037','A1'),
-> ('1200180037','A2'),
-> ('1200180037','A3'),
-> ('1200180037','A4'),
-> ('1200180037','A5'),
-> ('1200180037','A6'),
-> ('1200180037','A7');
Query OK, 19 rows affected (0.007 sec)
Records: 19 Duplicates: 0 Warnings: 0

MariaDB [kuliiah]>
```