



# MYSQL

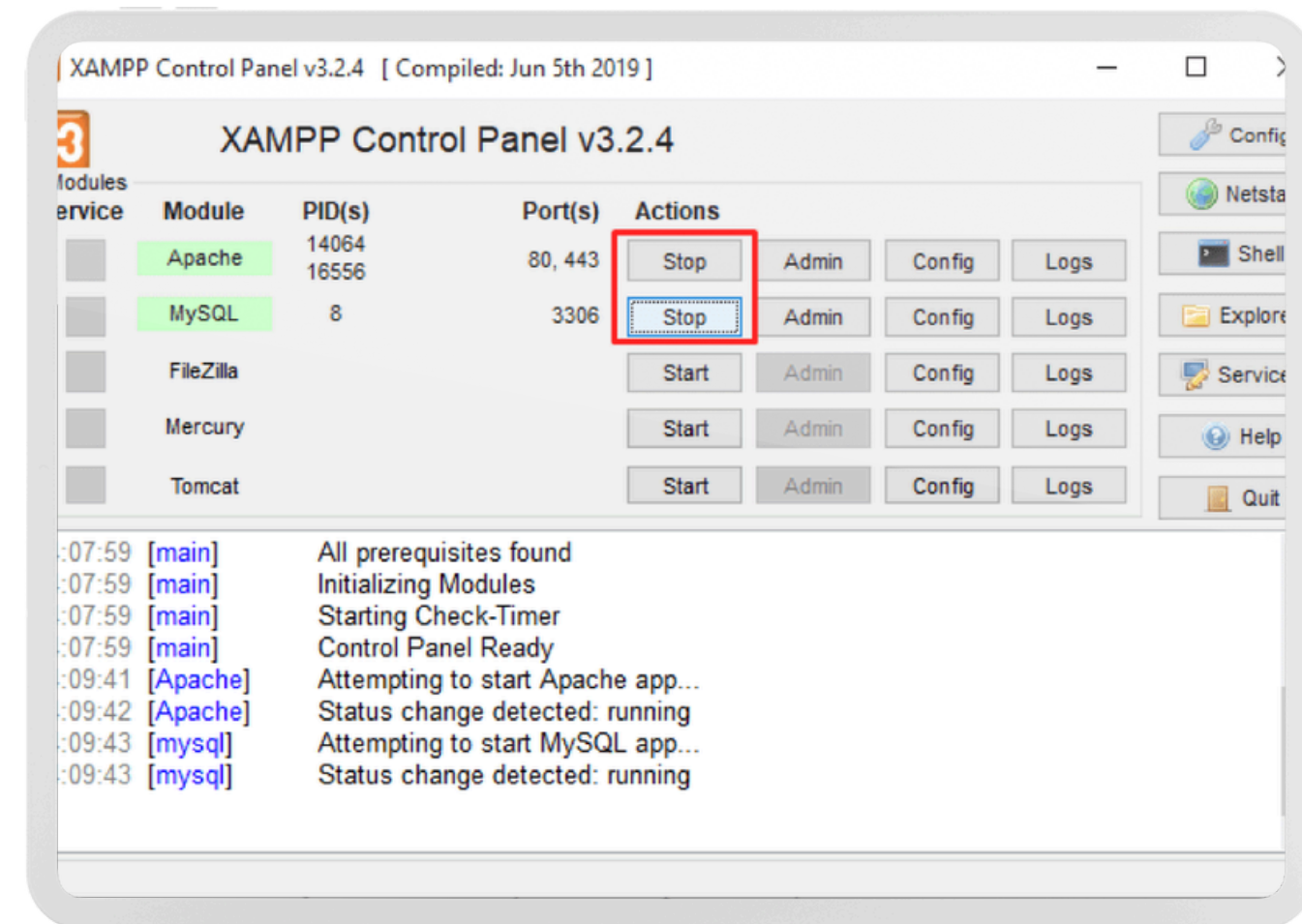
# CMD / XAMPP



A. RAVI RAJAB (01)

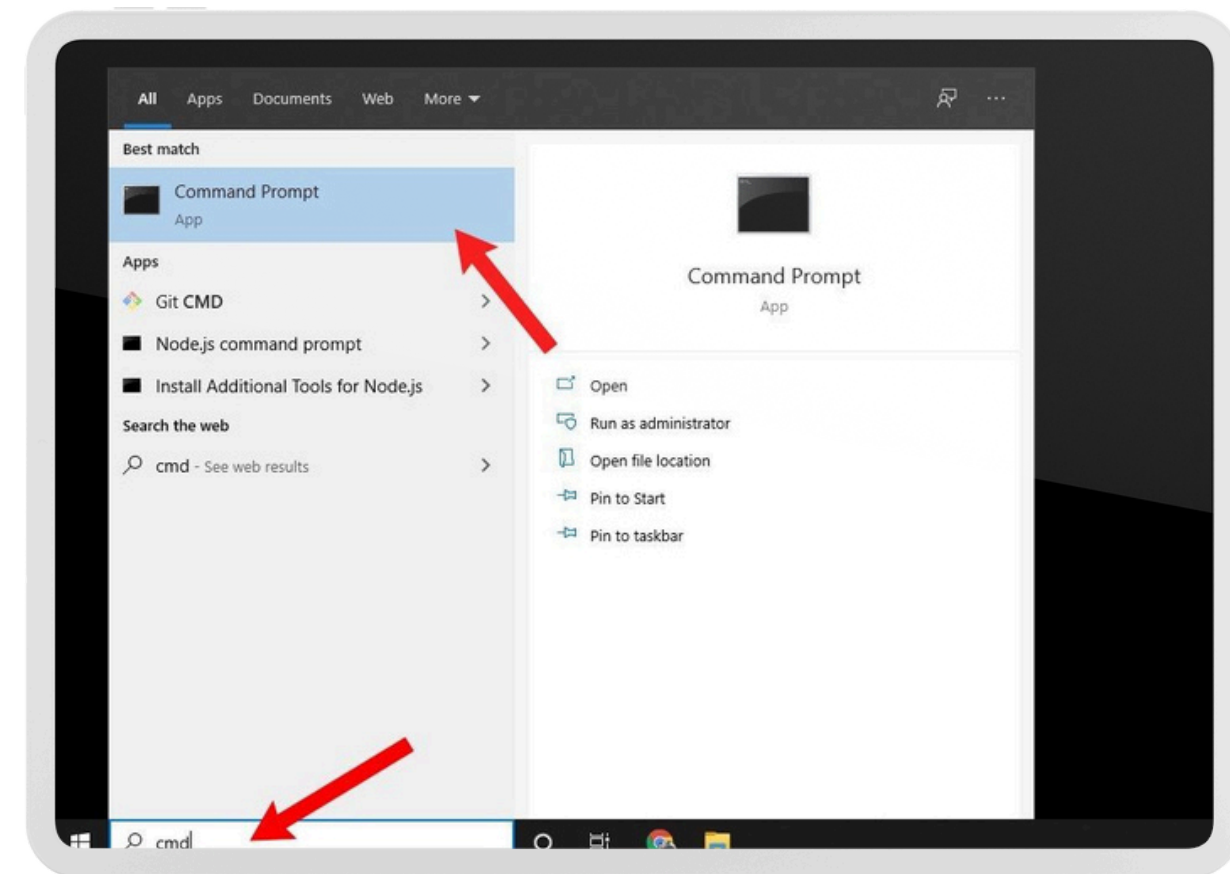
# LANGKAH KE-1

Pastikan sudah mendownload aplikasi Xampp, dan mengaktifkan dibagian PHPMy admin, seperti ini contohnya :



# LANGKAH KE-2

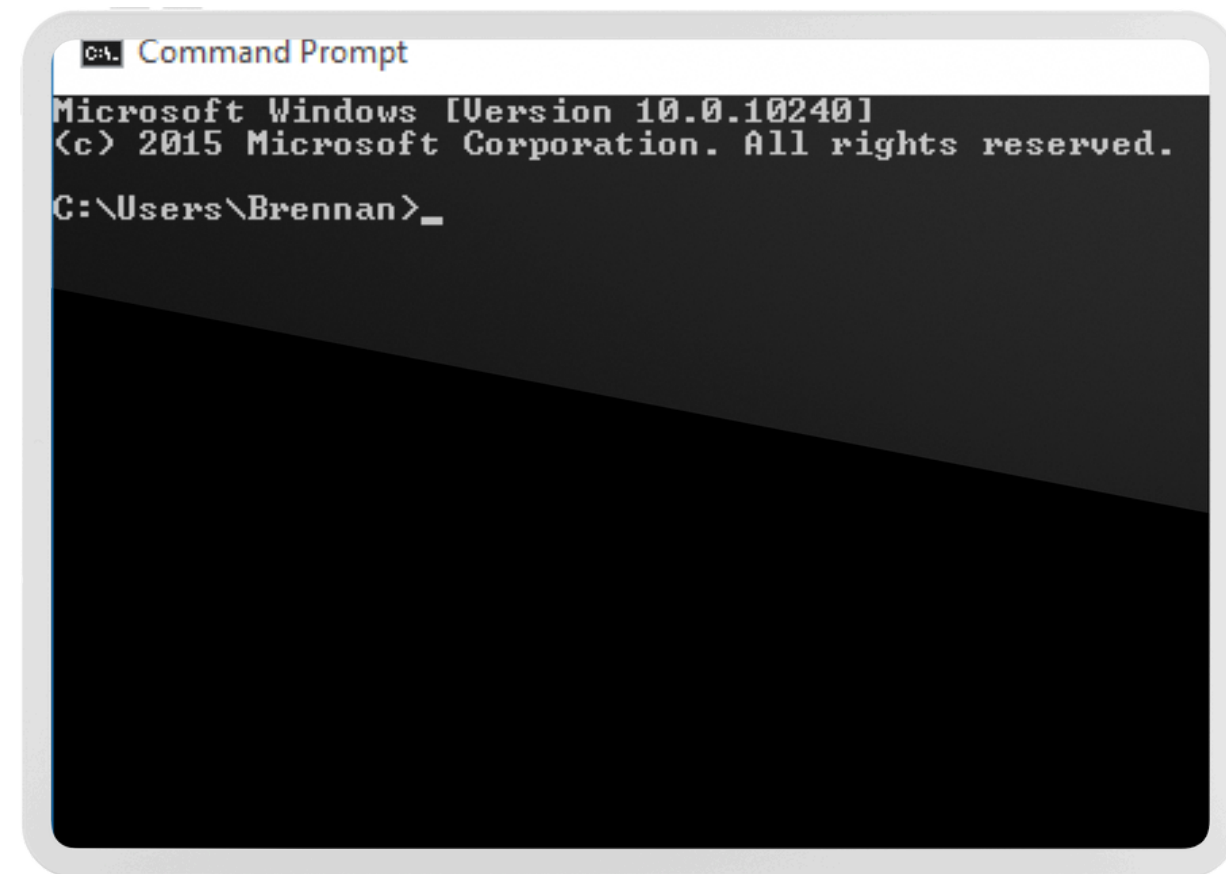
Lalu setelah itu, pergi ke search, dan ketikkan "cmd" Dan pilih menu yang bernama Command Prompt seperti contoh :



# LANGKAH KE-3

Setelah, masuk cmd, tampilan awal akan seperti ini , maka ketikan beberapa perintah untuk melanjutkan:

```
c : \User\Rizz>cd C:\xampp\mysql\bin  
c : \xampp\mysql\bin>mysql -u root -p
```



```
C:\ Command Prompt  
Microsoft Windows [Version 10.0.10240]  
(c) 2015 Microsoft Corporation. All rights reserved.  
C:\Users\Brennan>  
  
C:\Users\Brennan>cd C:\xampp\mysql\bin  
C:\xampp\mysql\bin>mysql -u root -p
```

## UNTUK KELUAR MYSQL

MariaDB [(none)]> Quit

## UNTUK MENGECEK VERSI XAMPP

c :\\xampp\\mysql\\bin>mysqladmin  
-u root -p version

```
(root) justice.desdelinux.net - Konsole
Marcadores Preferencias Ayuda
mysqladmin -u root -p version

5.5.33-0+deb7u1
10
Localhost via UNIX socket
/var/run/mysqld/mysqld.sock
45 days 22 hours 25 min 50 sec

Connections: 66221506  Slow queries: 19  Opens: 1027  Flushes: 10
Average time per second avg: 16.685

justice.desdelinux.net
```

## UNTUK MENAMPILKAN BEBERAPA FITUR

MariaDB [(none)]> help /  
MariaDB [(none)]> ?

```
juanram@juanram-T440p: ~
MySQL JS \? shell commands
The shell commands allow executing specific operations including updating the
shell configuration.

The following shell commands are available:

- \
- \connect (\c) Connects the shell to a MySQL server and assigns the
global session.
- \exit Exits the MySQL Shell, same as \quit.
- \help (\?,\h) Prints help information about a specific topic.
- \history View and edit command line history.
- \js Switches to JavaScript processing mode.
- \nowarnings (\w) Don't show warnings after every statement.
- \option Allows working with the available shell options.
- \py Switches to Python processing mode.
- \quit (\q) Exits the MySQL Shell.
- \reconnect Reconnects the global session.
- \rehash Refresh the autocompletion cache.
- \source (\.) Loads and executes a script from a file.
- \sql Switches to SQL processing mode.
- \status (\s) Print information about the current global session.
- \use (\u) Sets the active schema.
- \warnings (\W) Show warnings after every statement.

For help on a specific command use \? <command>

EXAMPLE
\? \connect
Displays information about the >\connect</b> command.

MySQL JS
```



# MENAMPILKAN WAKTU

## MENAMPILKAN TANGGAL

MariaDB [(none)]> select curdate();

```
MariaDB [test_jd]> SELECT CURDATE();
+-----+
| CURDATE() |
+-----+
| 2021-02-21 |
+-----+
```

## MENAMPILKAN JAM/WAKTU

MariaDB [(none)]> select curtime();

```
mysql> SELECT CURTIME();
+-----+
| CURTIME() |
+-----+
| 20:04:15  |
+-----+
```

# KALKULATOR

MariaDB [(none)]> select [angka] (jenis variable) [angka]  
Untuk angka bisa kalian sesuaikan dengan yang Anda inginkan  
Untuk jenis variabel tersedia beberapa jenis yaitu [+ , \* , - , / , div , %]

```
Modulo (Sisa hasil per
```

```
MariaDB [(none)]>
+-----+
| 5 % 2 |
+-----+
|      1 |
+-----+
row in set (0.00
```

```
Pembagian integer
```

```
MariaDB [(none)]> s
+-----+
| 5 div 3 |
+-----+
|      1 |
+-----+
row in set (0.00
```

```
Penjumlahan
```

```
MariaDB [(none)]>
+-----+
| 3 + 4 |
+-----+
|      7 |
+-----+
row in set (0.00
```

```
Pengurangan
```

```
MariaDB [(none)]> s
+-----+
| 3 - 4 |
+-----+
|     -1 |
+-----+
row in set (0.00
```

```
Pengagian
```

```
MariaDB [(none)]> s
+-----+
| 3 / 4 |
+-----+
| 0.7500 |
+-----+
row in set (0.00
```

```
Kalian
```

```
MariaDB [(none)]>
+-----+
| 3 * 4 |
+-----+
|     12 |
+-----+
row in set (0.00
```

# DLL (DATA DEFINITION LANGUAGE)

## Menampilkan database

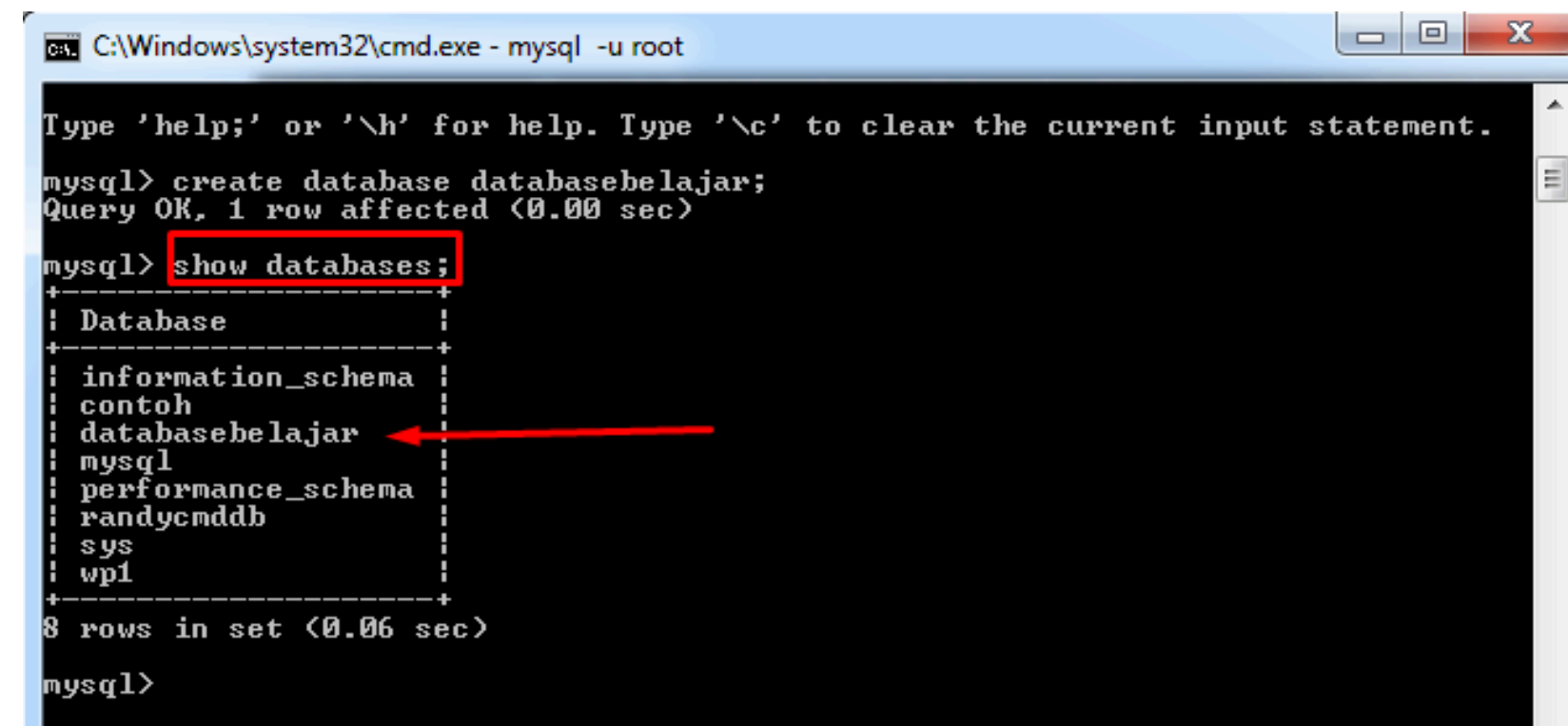
MariaDB [(none)]> show databases;  
untuk menampilkan database yang pernah dibuat

## Membuat database

MariaDB [(none)]> create database  
(nama database yang diinginkan);

## Menghapus database

MariaDB [TokoveL]>drop database TokoveL;



```
C:\Windows\system32\cmd.exe - mysql -u root

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

mysql> create database databasebelajar;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| contoh |
| databasebelajar |
| mysql |
| performance_schema |
| randycmddb |
| sys |
| wp1 |
+-----+
8 rows in set (0.06 sec)

mysql>
```



# DLL (DATA DEFINITION LANGUAGE)

## Membuat table

```
CREATE TABLE nama_tabel(nama_kolom  
TIPE_DATA, nama_kolom TIPE DATA);
```

```
MariaDB [dbtoko]> create table tblkelompok  
-> (  
-> idkelompok INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
-> kelompok VARCHAR(100)  
-> );  
Query OK, 0 rows affected (0.04 sec)
```

```
MariaDB [dbtoko]> show tables;  
+-----+  
| Tables_in_dbtoko |  
+-----+  
| tblkelompok      |  
+-----+  
1 row in set (0.00 sec)
```

## Menampilkan table

```
MariaDB [TokoveL]>show tables;
```

## Menampilkan Struktur table

```
MariaDB[TokoveL]>Describe tables;
```

```
MariaDB [dbtoko]> describe tblkelompok;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra      |  
+-----+-----+-----+-----+-----+-----+  
| idkelompok | int(11)    | NO   | PRI | NULL    | auto_increment |  
| kelompok    | varchar(100) | YES  |     | NULL    |                |  
+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.01 sec)
```

# DLL (DATA DEFINITION LANGUAGE)

## Membuat Kolom

MariaDB[TokoveL]> alter table tblbarang  
add hargajual FLOAT;

```
MariaDB [dbtoko]> describe tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok	float	YES		NULL	
hargabeli	float	YES		NULL	
hargajual	float	YES		NULL	

6 rows in set (0.00 sec)

```
MariaDB [dbtoko]> describe tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok	int(11)	YES		0	
hargabeli	float	YES		NULL	
hargajual	float	YES		NULL	

6 rows in set (0.00 sec)

## Memberi nilai default pd kolom

MariaDB[TokoveL]> ALTER TABLE tblbarang  
ALTER COLUMN stok SET DEFAULT 0;

## Menghapus kolom

MariaDB[TokoveL]> ALTER TABLE  
tblbarang ADD stokminial INT;

```
MariaDB [dbtoko]> DESCRIBE tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok	int(11)	YES		0	
hargabeli	float	YES		NULL	
hargajual	float	YES		NULL	
stokminimal	int(11)	YES		NULL	

7 rows in set (0.01 sec)

# DLL (DATA DEFINITION LANGUAGE)

## Merubah nama kolom

MariaDB[TokoveL]> ALTER TABLE tblbarang  
CHANGE stok stokbarang INT

```
MariaDB [dbtoko]> DESCRIBE tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stokbarang	int(11)	YES		NULL	
hargabeli	float	YES		NULL	
hargajual	float	YES		NULL	

rows in set (0.01 sec)

```
MariaDB [dbtoko]> DESCRIBE tblpelanggan;
```

Field	Type	Null	Key	Default
idpelanggan	int(11)	NO	PRI	NULL
nama	varchar(200)	YES		NULL
alamat	varchar(255)	YES		NULL

rows in set (0.01 sec)

## Menambah kolom setelah kolom

MariaDB[TokoveL]> ALTER TABLE  
tblorder ADD faktor VARCHAR(50) AFTER  
idpelanggan;

```
MariaDB [dbtoko]> DESCRIBE tblorder;
```

Field	Type	Null	Key	Default
idorder	int(11)	NO	PRI	NULL
idpelanggan	int(11)	YES		NULL
faktor	varchar(50)	YES		NULL
tanggalorder	date	YES		NULL
total	float	YES		NULL
bayar	float	YES		NULL
kembali	float	YES		NULL

7 rows in set (0.01 sec)

## Menambah Primary key pd kolom

MariaDB[TokoveL]> ALTER TABLE tblpelanggan  
-> MODIFY idpelanggan INT NOT NULL AUTO INCREMENT PRIMARY KEY;



# DLL (DATA DEFINITION LANGUAGE)

## Membuat index

```
MariaDB[TokoveL]> CREATE INDEX pelangganindex ON  
tblpelanggan (nama);
```

```
MariaDB[TokoveL]> CREATE INDEX pelangganindex ON  
tblpelanggan (barang);
```

## Menampilkan index

```
MariaDB[TokoveL]> SHOW INDEX  
FROM tblbarang;
```

## Menghapus index

```
MariaDB[TokoveL]> DROP INDEX  
pelangganindex ON tblpelanggan;
```

```
+-----+-----+-----+-----+  
| Table      | Non_unique | Key_name      | Seq_in_index | Column_name  
| Index_type | Comment    | Index_comment |               |  
+-----+-----+-----+-----+  
+-----+-----+-----+-----+  
| tblbarang |           0 | PRIMARY       |             1 | idbarang  
| BTREE     |           |               |               |  
| tblbarang |           1 | barangindex    |             1 | barang  
| BTREE     |           |               |               |  
+-----+-----+-----+-----+  
2 rows in set (0.00 sec)
```

# DML (DATA MANIPULATION LANGUAGE)

## Ubah Nama Table

MariaDB[TokoveL]> UPDATE  
tblkelompok SET kelompok Snek  
WHERE idkelompok=6;

```
MariaDB [dbtoko]> SELECT * FROM tblkelompok;
+-----+-----+
| idkelompok | kelompok |
+-----+-----+
|          6 | Snek     |
|          7 | Minyak  |
|          8 | Tepung    |
+-----+-----+
3 rows in set (0.00 sec)
```

## Ubah Seluruh Nama Table

MariaDB[TokoveL]> UPDATE  
tblkelompok SET kelompok-'Makanan';

```
MariaDB [dbtoko]> SELECT * FROM tblkelompok;
+-----+-----+
| idkelompok | kelompok |
+-----+-----+
|          6 | Makanan  |
|          7 | Makanan  |
|          8 | Makanan  |
+-----+-----+
3 rows in set (0.00 sec)
```



# DML (DATA MANIPULATION LANGUAGE)

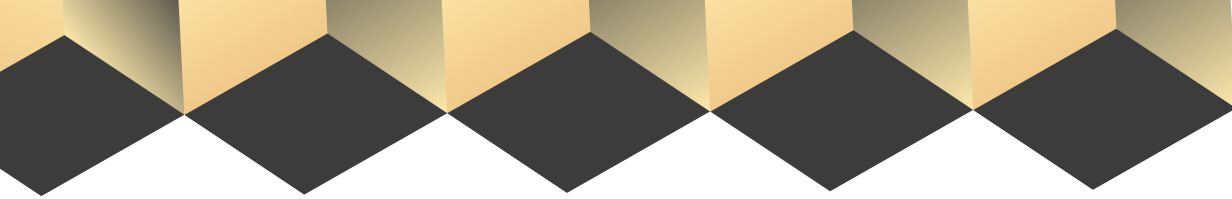
## Membuat Increment Table

```
MariaDB[TokoveL]> INSERT INTO  
tblbarang VALUES (1,6, Beras Rojo Lele',  
100, 10000,12000)
```

```
MariaDB [TokoveL]> SELECT * FROM tblbarang;
```

idbarang	idkelompok	barang	stokbarang	hargabeli	hargajual
1	6	Beras Rojo Lele	100	10000	12000
2	6	Beras Cianjur	50	11000	14000
3	6	Beras Medium	70	8000	10000
4	6	Beras Mahal	30	23000	30000
5	7	Gula Putih	20	12000	14000
6	7	Gula Merah	10	3000	5000
7	7	Gula Batu	40	2000	3000
8	7	Gula Aren	60	7000	9000
10	8	Tepung Terigu	50	4000	6000
11	8	Tepung Tapioka	15	2000	3500
12	8	Tepung Kanji	25	3500	5000

11 rows in set (0.00 sec)



**TERIMA KASIH**

