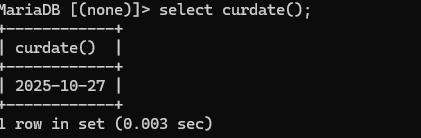
TUGAS MYSQL



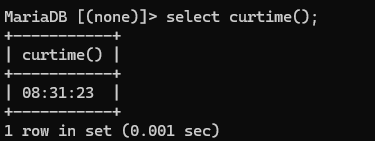
NAMA: CINTA ROSI PUTRI PRATAMA

KELAS: 10 - RPL

**Menampilkan Tanggal**

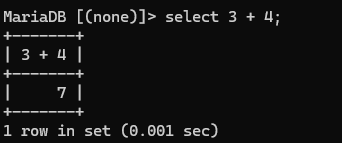
****

**Menampilkan Waktu Atau Jam**

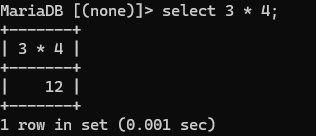
****

**Menggunakan Kalkulator**

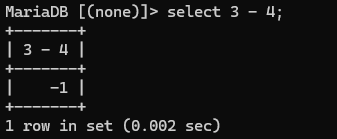
* **Penjumlahan**

****

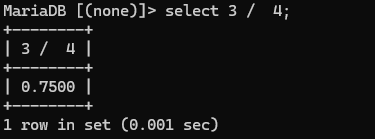
* **Perkalian**

****

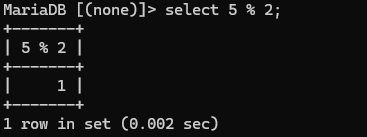
* **Pengurangan**

****

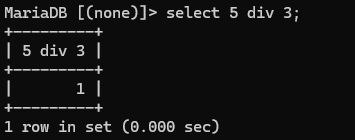
* **Pembagian**

****

* **Modulo**

****

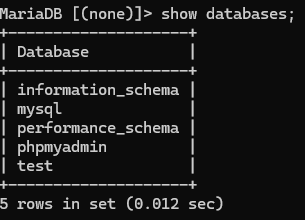
* **Hasil pembagian integer**

****

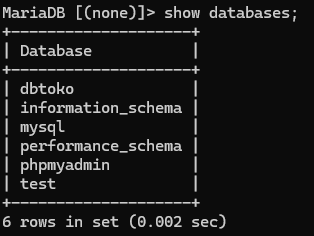
**DDL (Data Definition Language)**

**Database, Tabel, & Index**

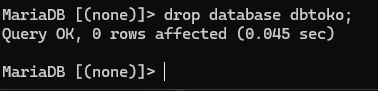
**Menampilkan Database**



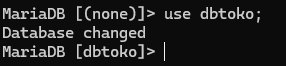
**Membuat Database**



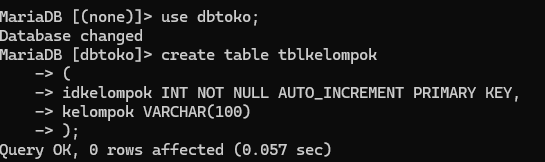
**Menghapus Database**



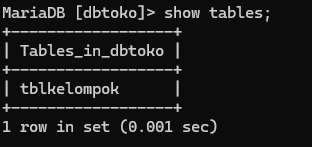
**Mengaktifkan Database**



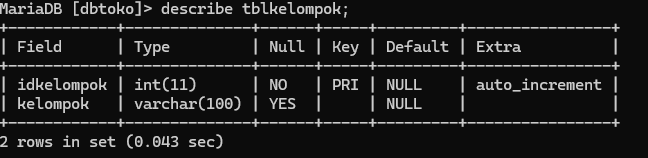
**Membuat Tabel**

****

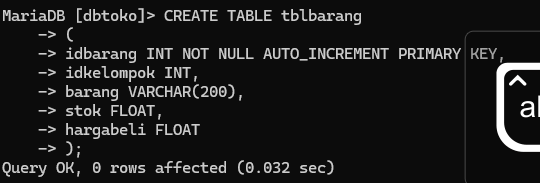
* **menampilkan tabel**

****

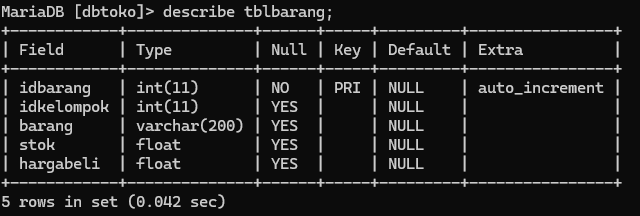
* **menampilkan struktur tabel**

****

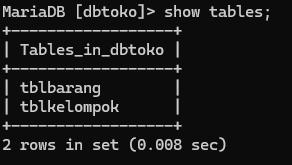
**Membuat Tabel tblbarang**

****

* **mengecek struktur tblbarang**

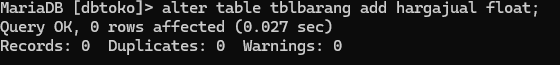
****

* **menampilkan tabel tblbarang**

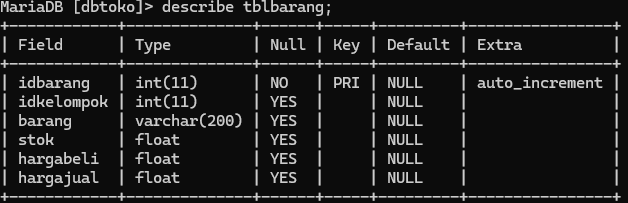


**Menambah Kolom**

* **Membuat kolom**

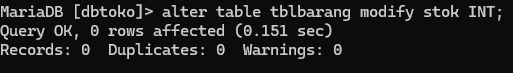
****

* **Menampilkan hasil**

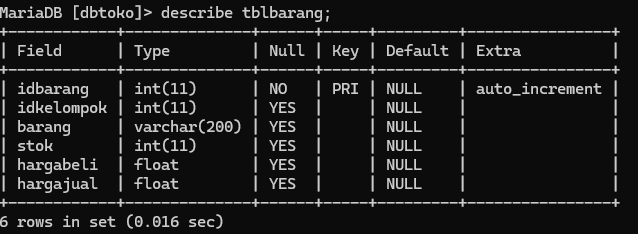
****

**Merubah Tipe Data**

* **merubah**

****

* **hasil**

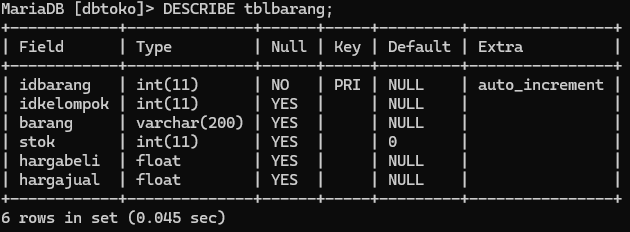
****

**Memberi Nilai Default Pada Kolom**

**-proses**

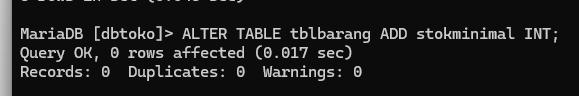


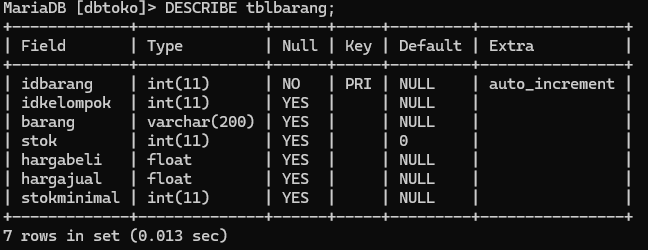
* **hasil**



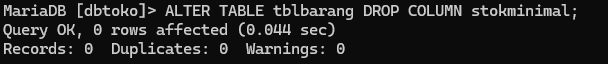
**Menghapus Kolom**

* **menambahkan kolom**





* **prosesmenghapus**

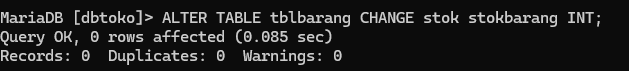


* **hasil**

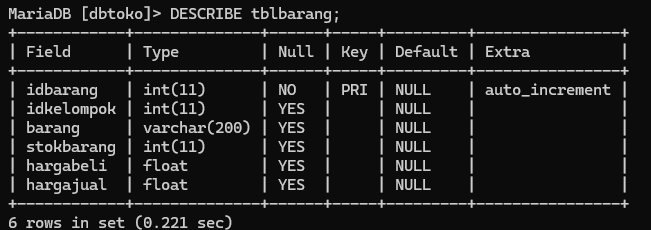


**Merubah Nama Kolom**

* **proses ubah nama**

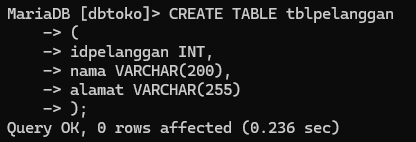
****

* **periksa hasil**

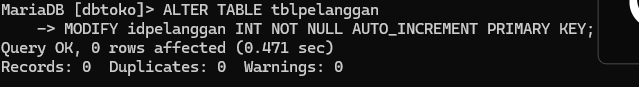
****

**Membuat Table tblpelanggan**

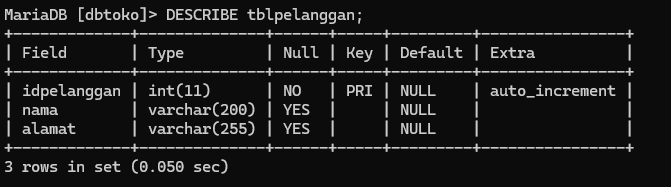
* **membuat table**

****

**Menambahkan Primary Key**

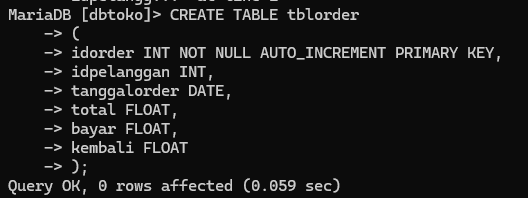
****

* **periksa**

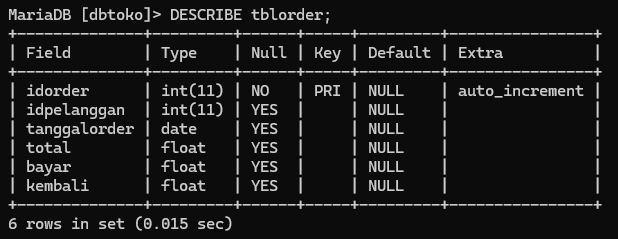
****

**Menampilkan Engine Yang Digunakan**

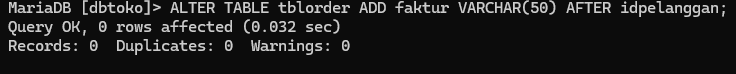
****

**Membuat Table tblorder**

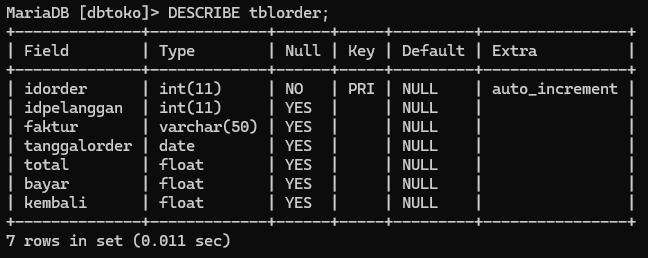
* **periksa**

****

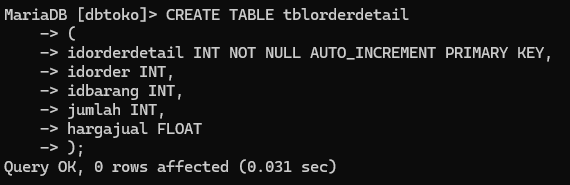
**Menambah Kolom Setelah Kolom**

****

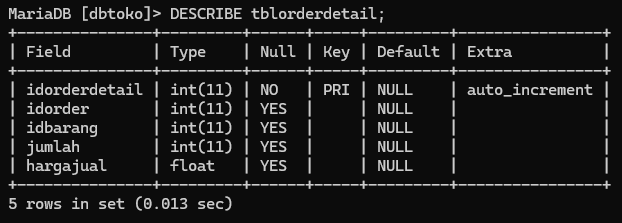
* **hasil**

****

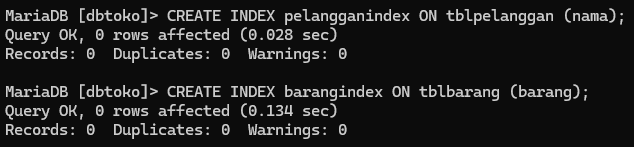
**Membuat Table tblorderdetail**

****

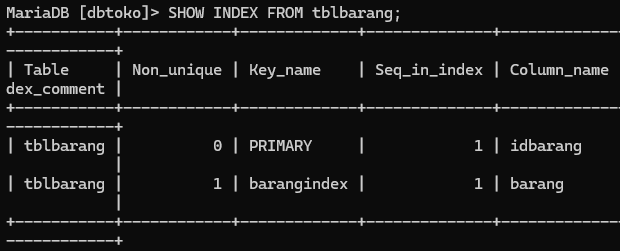
* **hasil struktur**

****

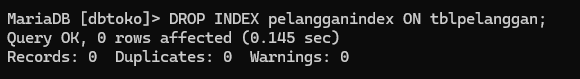
**Membuat Index**

****

* **menampilkan index**

****

* **menghapus index**

****

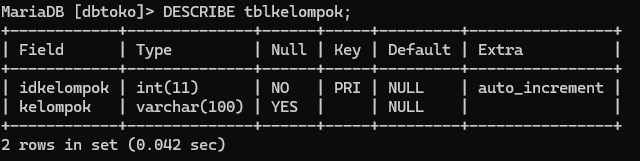
**DML (Data Manipulation Language)**

**Insert, Delete, Update, Select, View, Trigger, Procedure, Function**

**INSERT KOLOM**

****

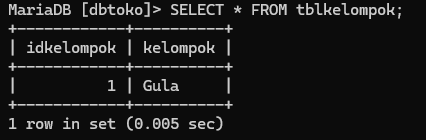
* **lihat table tblkelompok**

****

* **insert data**

****

* **cek**

****

**INSERT SEBAGIAN KOLOM**

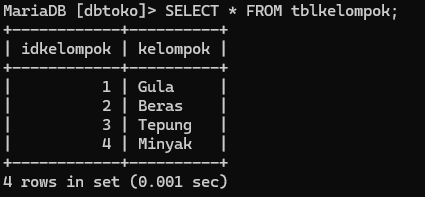
* **hasil Latihan**

****

**DELETE SEBAGIAN *RECORD* (BARIS DATA)**

****

* **hasil**

****

**DELETE SEMUA RECORD**



* **hasil**

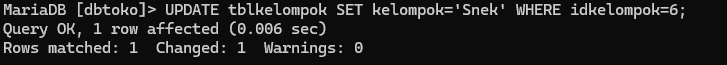
****

**UPDATE SEBAGIAN RECORD**

* **hasil latihan**

****

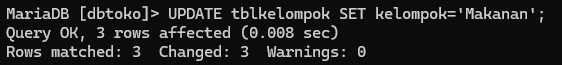
* **update Sebagian record**

****

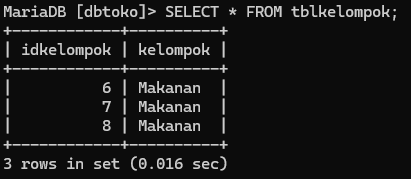
* **periksa**

****

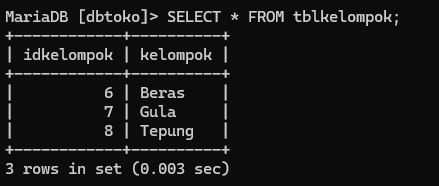
**UPDATE SEMUA RECORD**

****

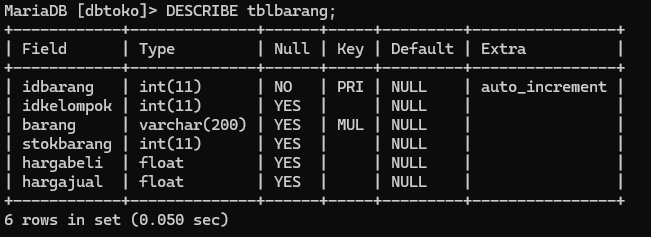
* **hasil**

****

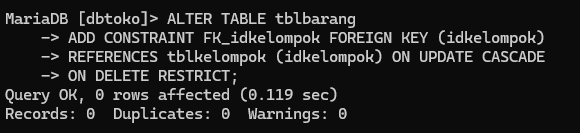
* **hasil Latihan**

****

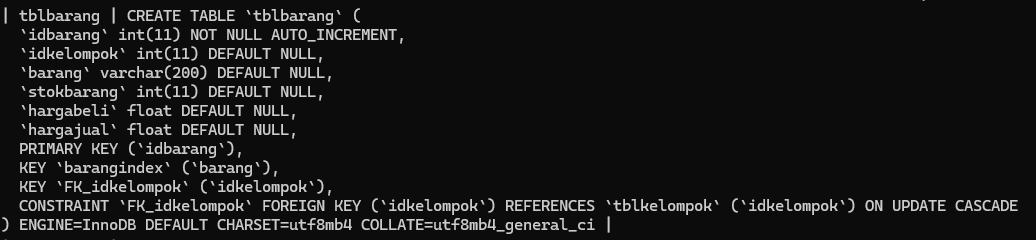
**MEMBUAT RELASI ANTAR TABEL**

****

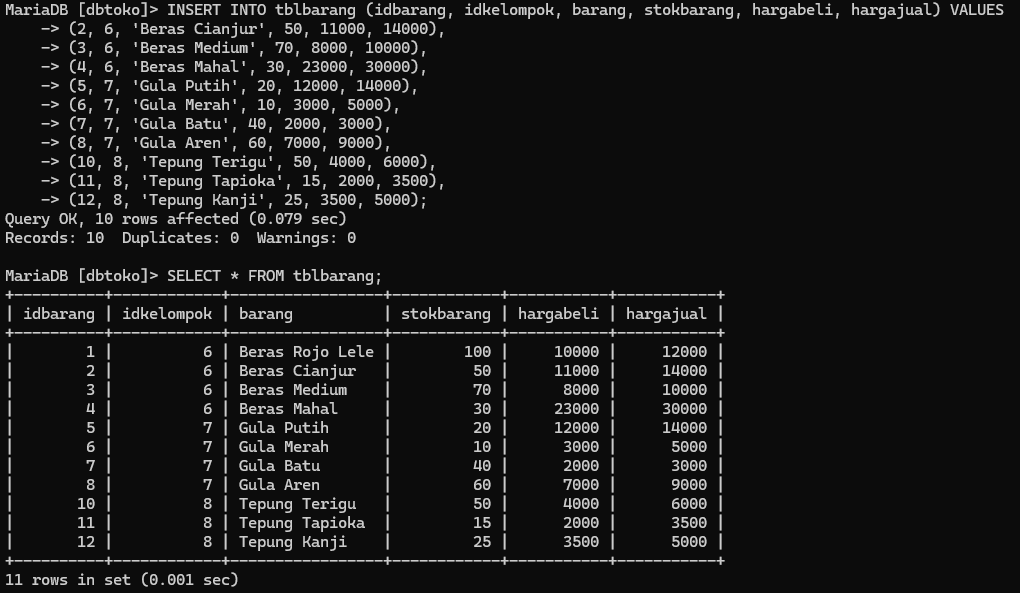
* **proses**

****

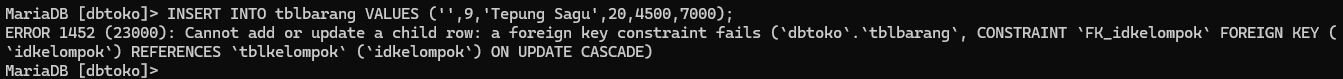
* **hasil**

****

**MENGUJI HASIL PEMBUATAN RELASI**

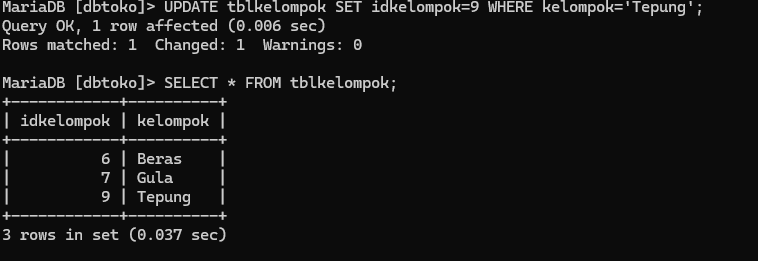
****

**PENGUJIAN INSERT**

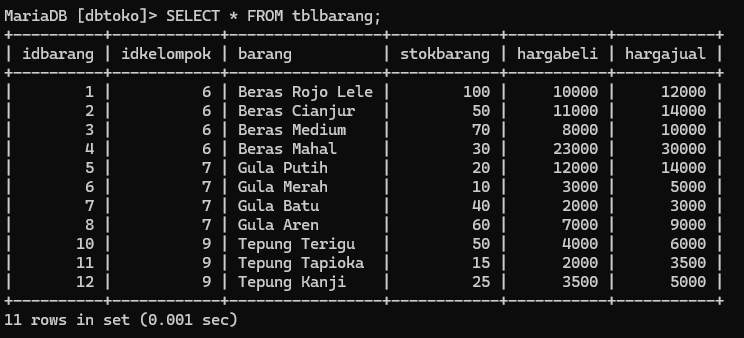
****

**PENGUJIAN UPDATE**

* **tbl kelompok**

****

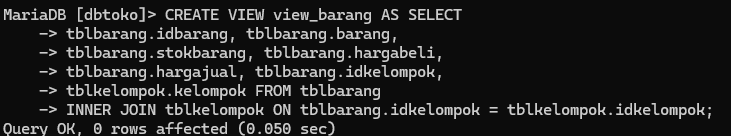
* **tbl barang**

****

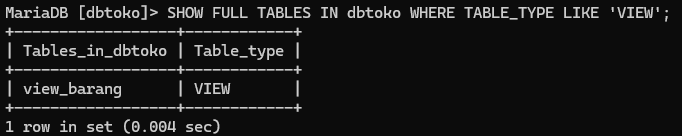
**PENGUJIAN DELETE**

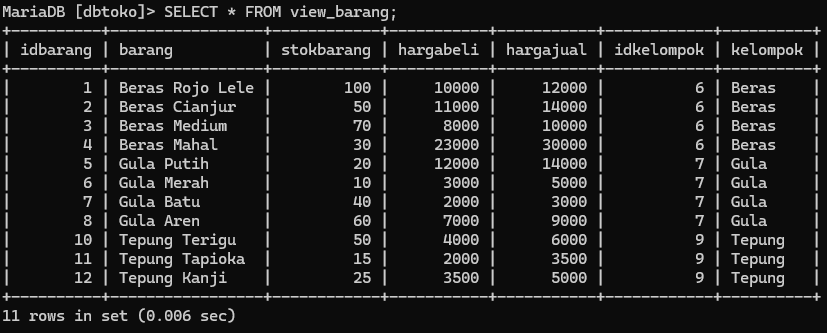
****

**PEMBUATAN VIEW**

****

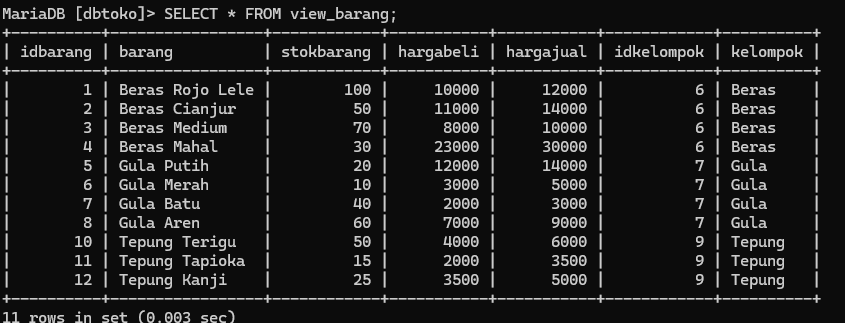
* **menampilkan view**

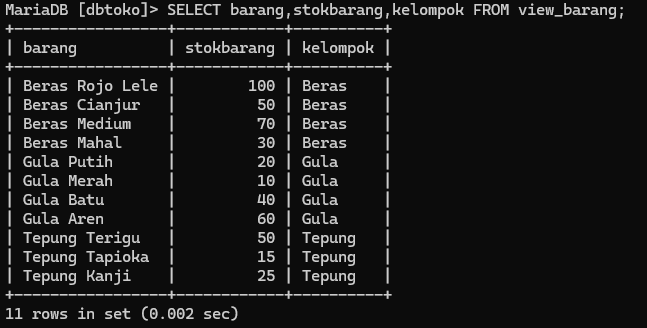
****

* **melihat isi view**
* **menghapus view**

****

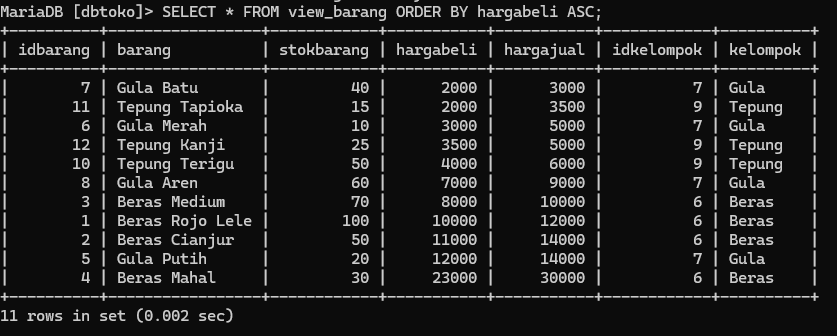
**SELECT SEMUA KOLOM**

****

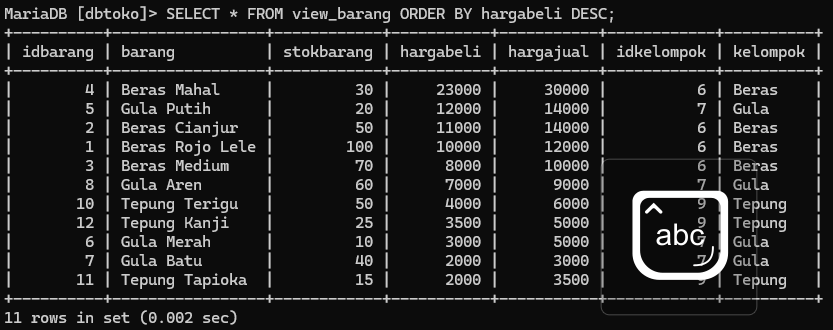
**SELECT SEBAGIAN KOLOM**

**SELECT ORDER**

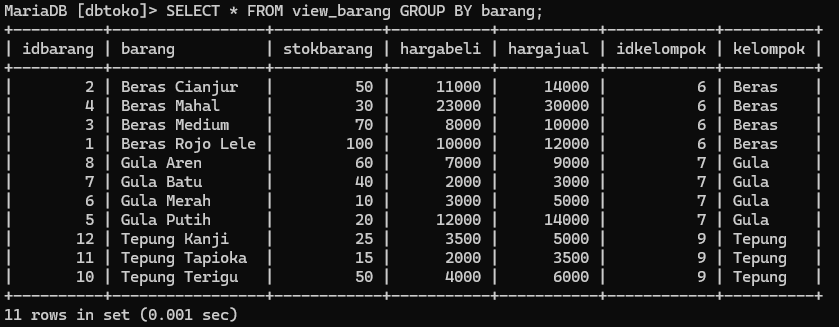
* **ASC**

****

* **DESC**

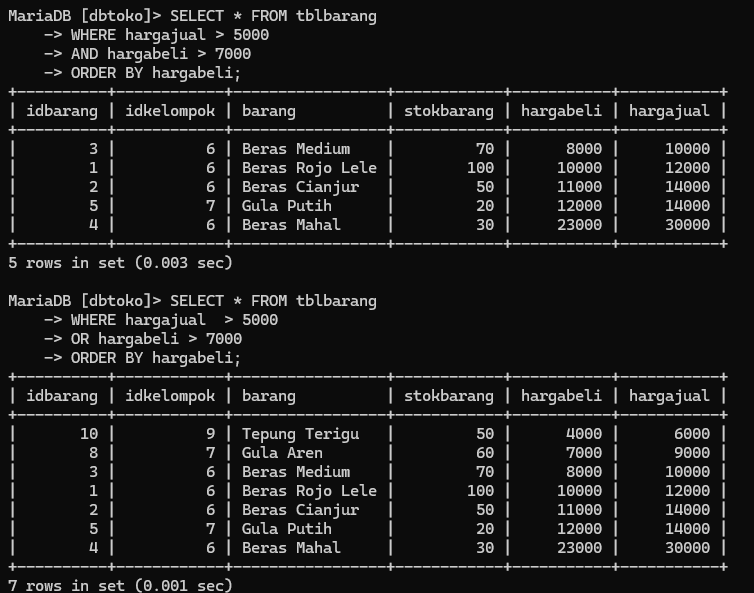
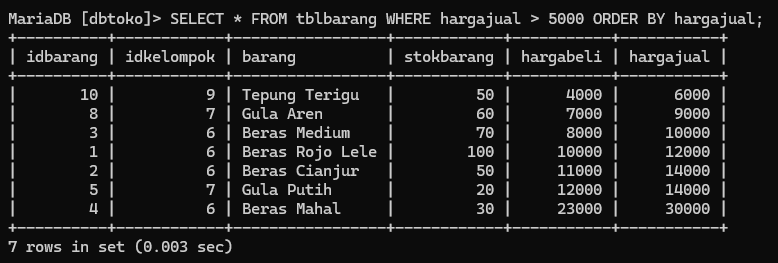
****

**SELECT GROUP**

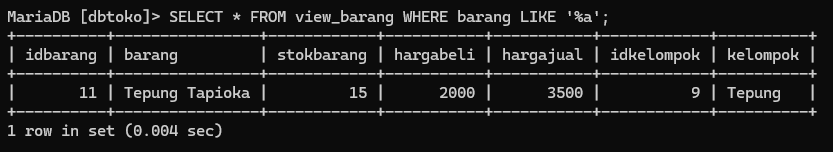
****

**PENGUJIAN WHERE**

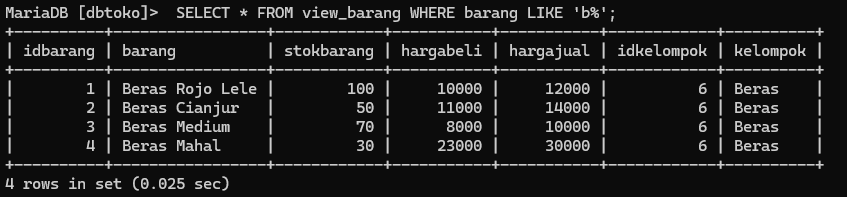
* **Where, AND, OR**

****

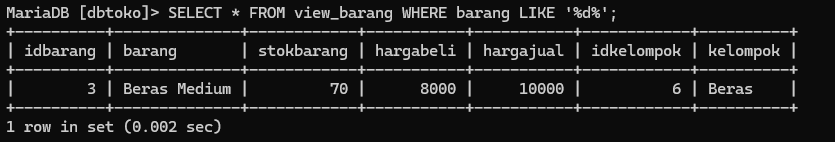
* **%a**

****

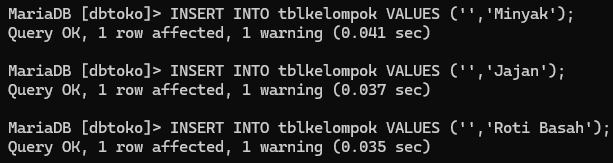
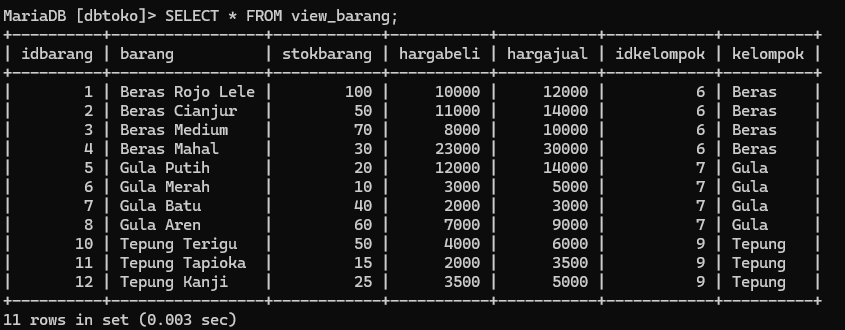
* **b%**

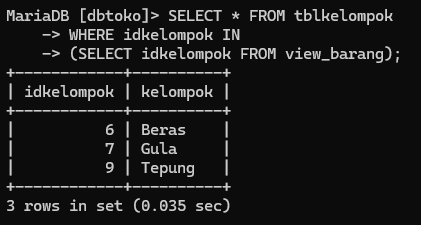
****

* **%d%**

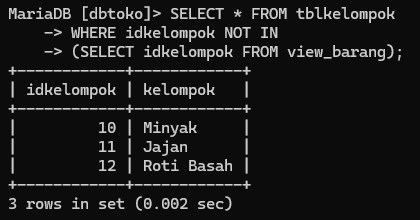
****

**SUBQUERY (SELECT IN SELECT)**

* **Data yg dibutuhkan**
* **Periksa viewbarang**
* **Yg sudah digunakan pada VIEW**

****

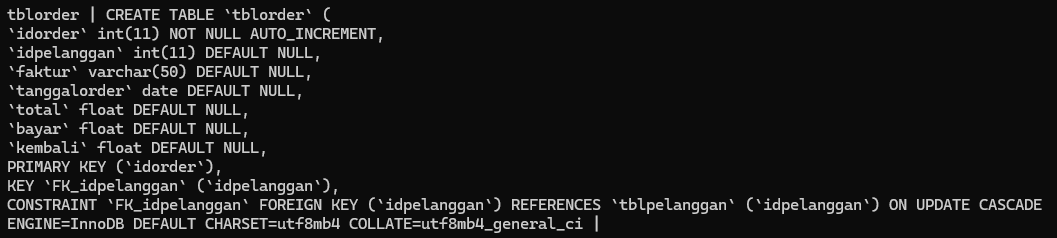
* **Yg belum**

****

**MEMBUAT RELASI ANTAR TABEL**

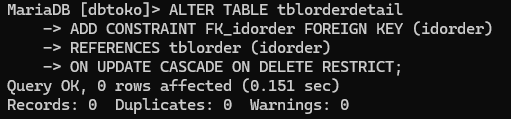
****

* **hasil**

****

**RELASI 2 TABEL MASTER DAN 1 TABEL TRANSAKSI**

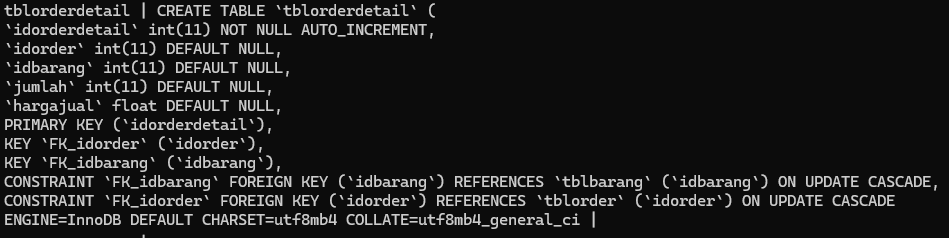
* **relasi tblorderdetail dngan tblorder**

****

* **relasi tblorderdetail dngan tblbarang**

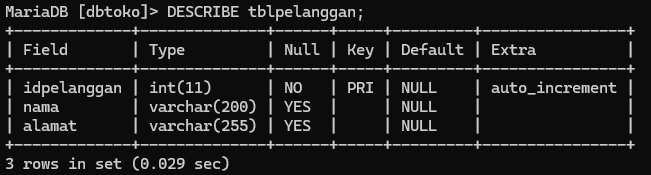
****

* **hasil**

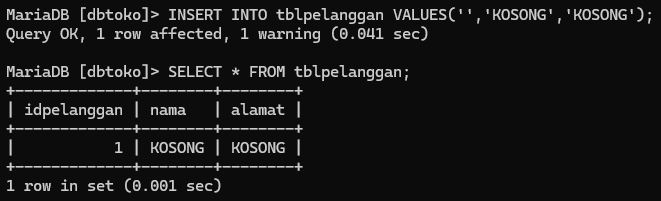
****

**DUMMY DATA**

* **cek struktur**

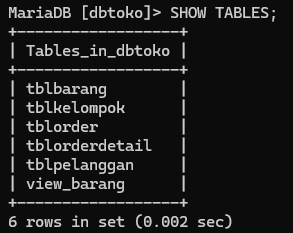
****

* **insert dummy**

****

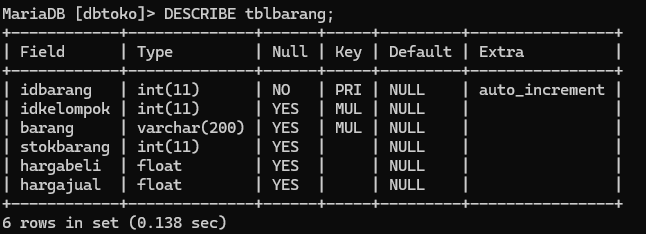
**KONSEP TRIGGER**

1. **Tampilkan semua table**

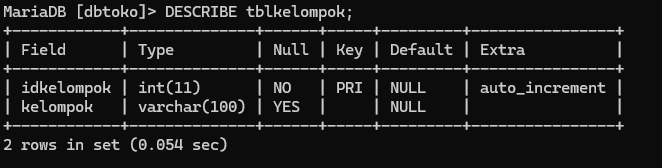
****

1. **Lihat struktur semua table**

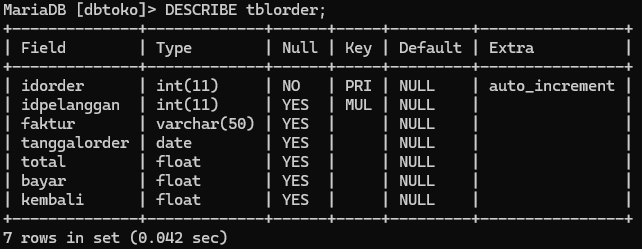
* **Tblbarang**

****

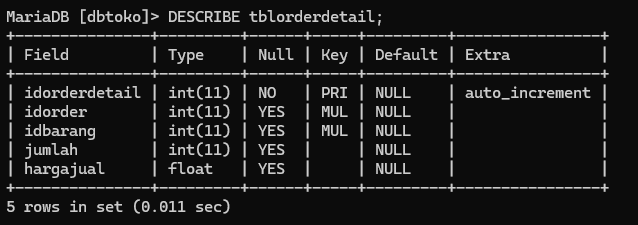
* **Tblkelompok**

****

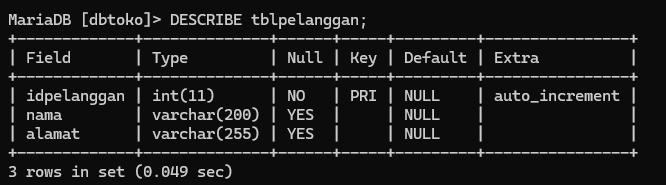
* **Tblorder**

****

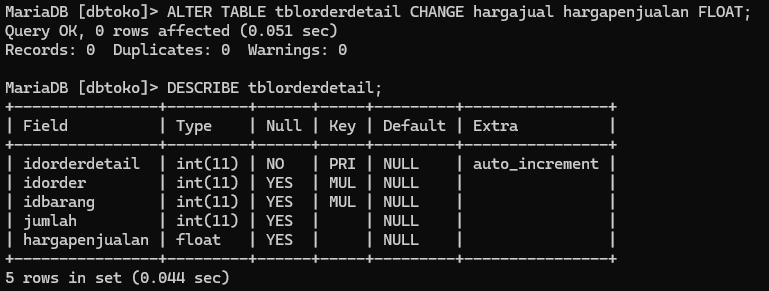
* **Tblorderdetail**

****

* **Tblpelanggan**

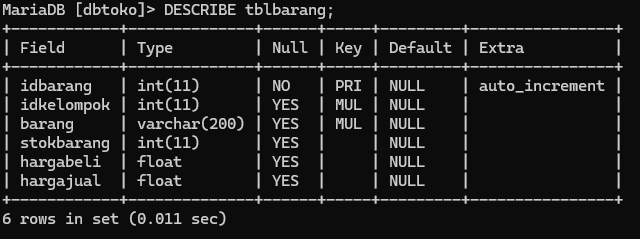
****

1. **Pemeriksaan nama kolom yang sama**

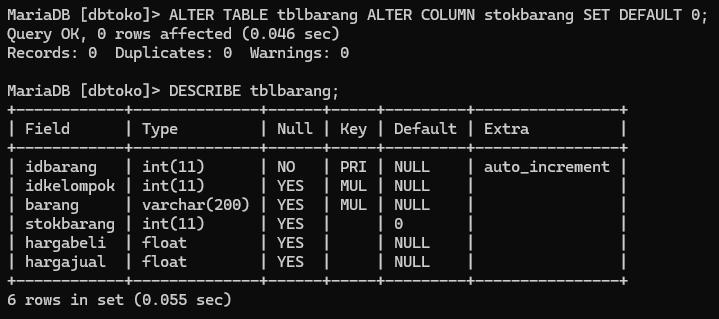


1. **Pemeriksaan kolom untuk perubahan hasil trigger**

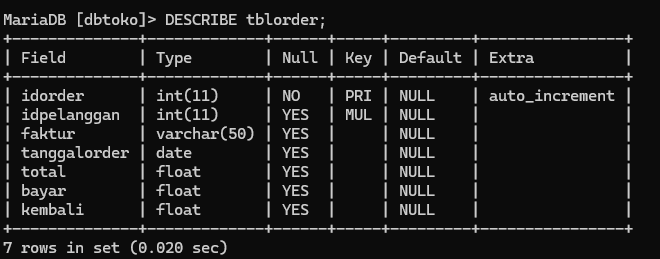
* **Stokbarang pada tblbarang blm di set default 0**

****

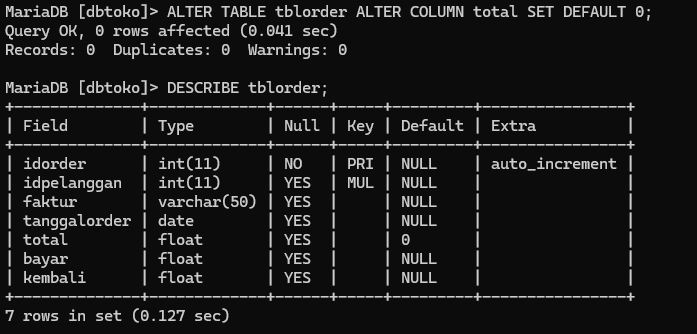
* **Sesudah di set default 0**

****

* **Sebelum kolom total pada tblorder di set default 0**

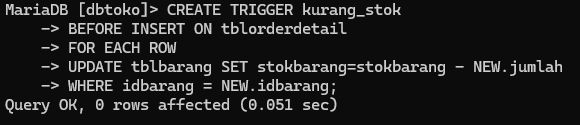
****

* **Setelah di set 0**

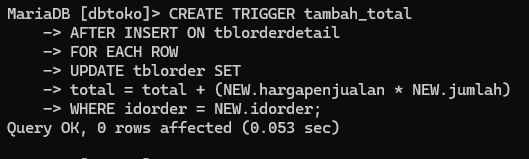
****

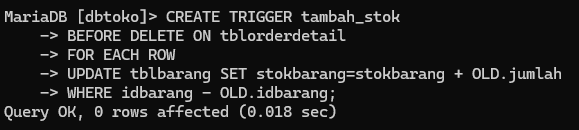
**PEMBUATAN TRIGGER**

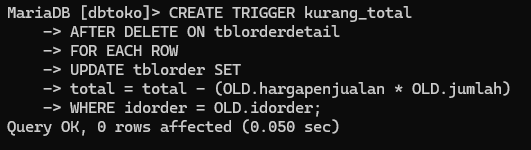
* **Kurang\_stok**

****

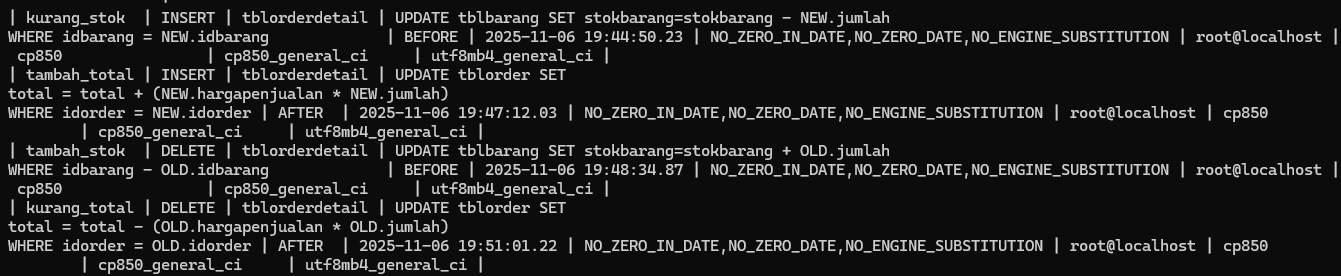
* **Tambah\_total**

****

* **Tambah\_stok**
* **Kurang\_total**

****

**MENAMPILKAN TRIGGER**



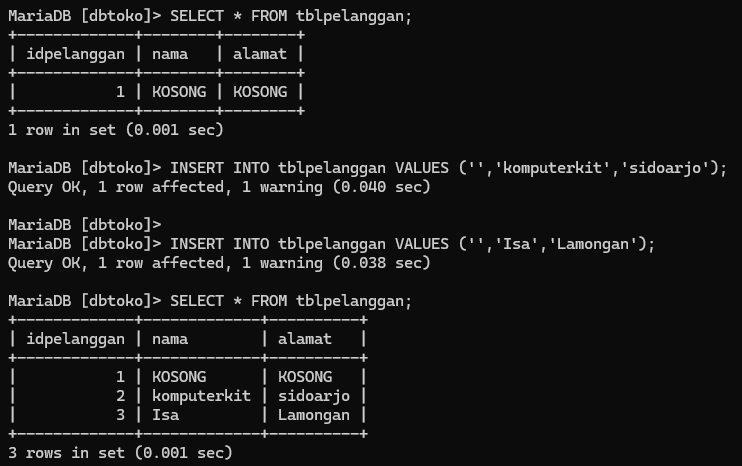
**PENGUJIAN TRIGGER**

1. **Persiapan**

* **Tampilkan tblbarang**

****

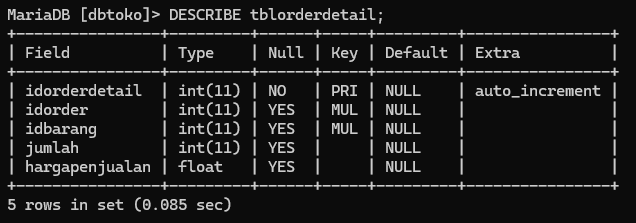
* **Tampilkan tblbarang**

****

* **Tampilkan struktur tblorder**

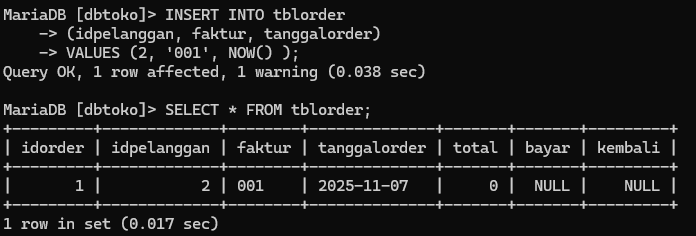
****

* **Tampilkan struktur tblorederdetail**

****

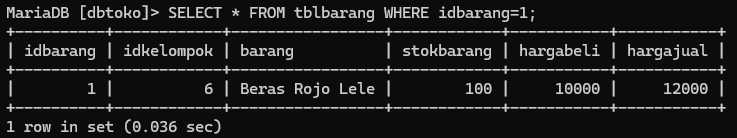
1. **Pengujian insert pada table tblorderdetail**

* **Buat order (tbloreder)**

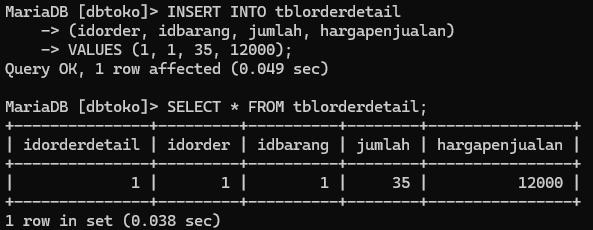
****

* **Insert pada tblorderdetail**

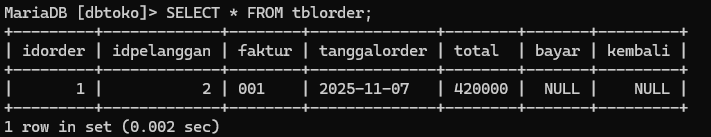
**-sebelum proses insert**

****

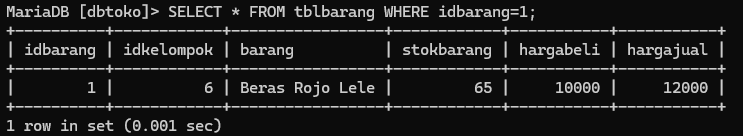
**-inserting data in tblorderdetail**

****

* **Hasil tblorder**

****

* **Hasil tblbarang**

****

1. **Pengujian delete pada table [tblorderdetail]**

* **Delete pada tblorderdetail**

****

* **Hasil pada tblorder dan tblbarang**

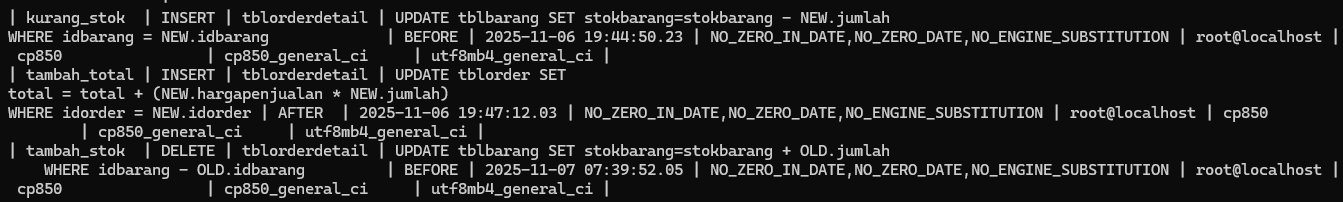
****

**HAPUS TRIGGER**

* **Proses**

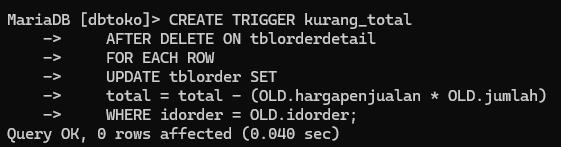
****

* **Hasil**

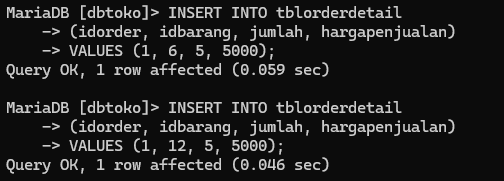


**JOIN (GABUNGAN TABEL)**

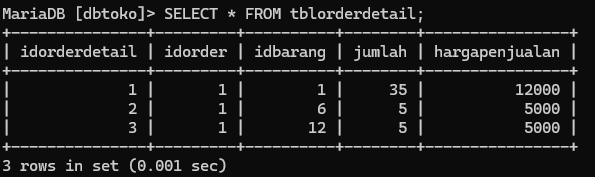
* **Buat Kembali trigger yang dihapus [kurang\_total]**

****

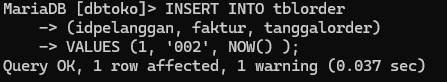
* **Insert data ke tblorderdetail**

****

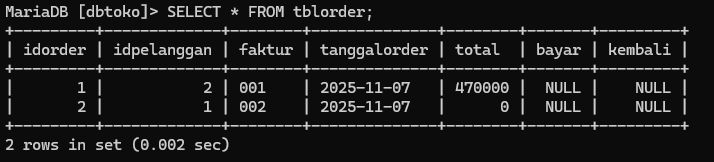
* **Cek tblorderdetail**

****

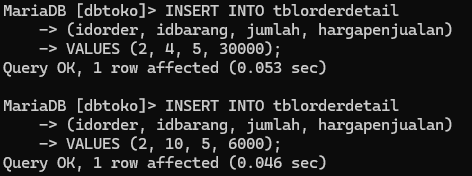
* **Insert pada tblorder**

****

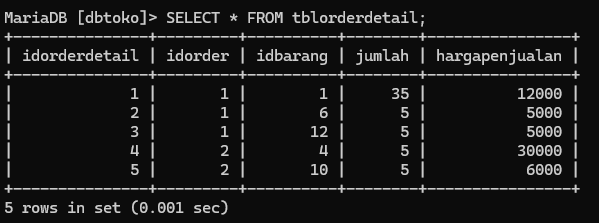
* **Cek tblorder**

****

* **Insert data pada tblorderdetail**

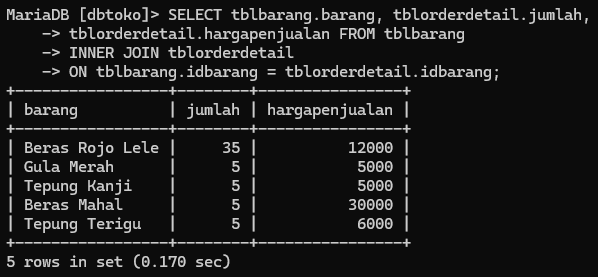
****

* **Cek tblorderdetail**

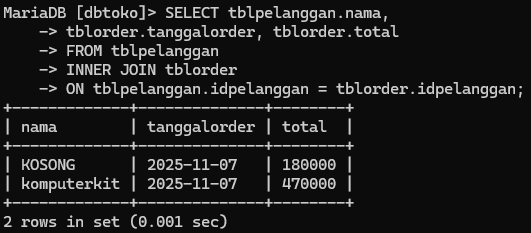
****

**INNER JOIN (MENGAMBIL BAGIAN YANG ADA DI TABEL MASTER DAN TABEL TRANSAKSI)**

* **Inner join untuk mengetahui barang yang sudah laku**

****

* **Inner join untuk mengetahui pelanggan yang melakukan order**

****

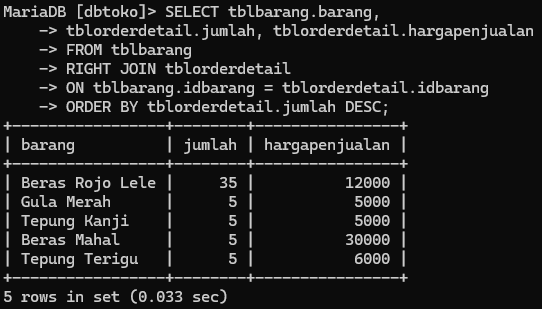
1. **Inner join banyak table**



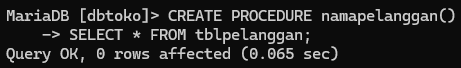
1. **Left join (menampilkan table master)**

****

1. **Right join (menampilkan table transaksi)**

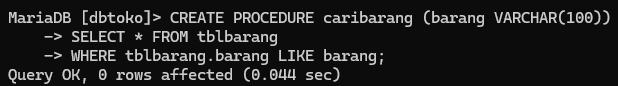
****

**STORE PROCEDURE**

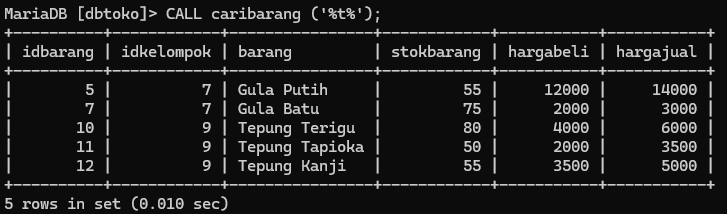
* **Procedure tanpa parameter**
* **Pemanggilan procedure**

****

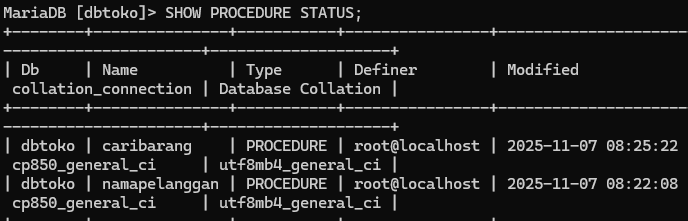
* **Procedure dengan parameter**

****

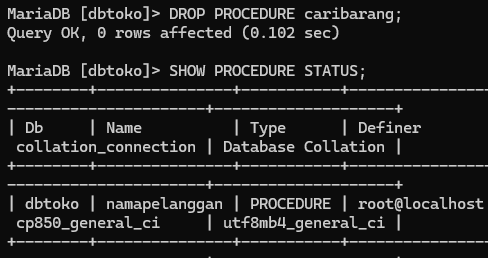
* **Panggil procedure**

****

* **Menampilkan semua procedure**

****

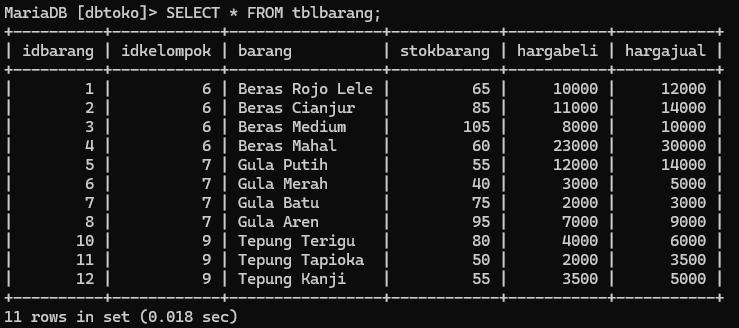
* **Menghapus store procedure**

****

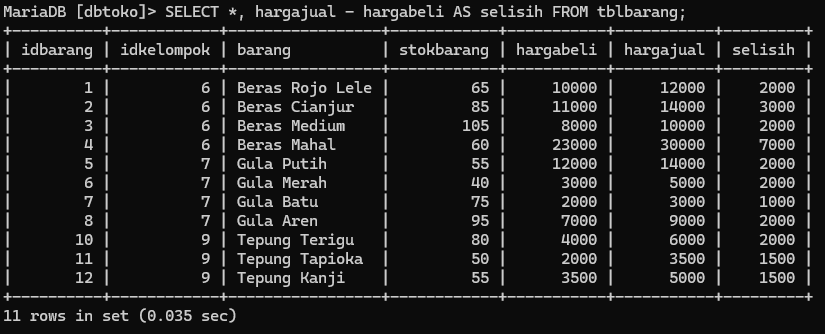
**FUNCTION**

1. **Membuat isi**

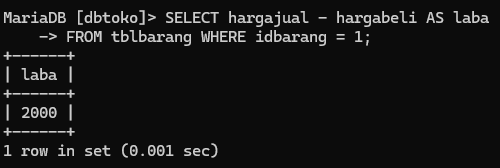
* **Tampilkan tblbarang**



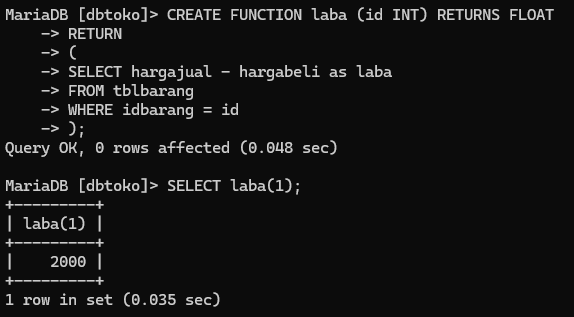
* **Tambahkan kolom selisih [hargajual] – [hargabeli] = laba**

****

* **Selisih/Laba perbarang**

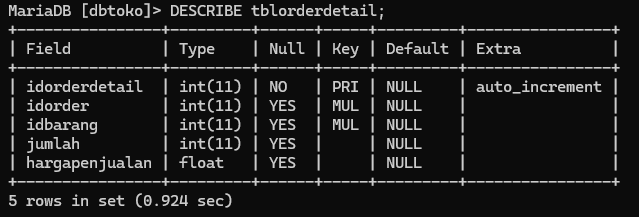
****

1. **Membuat function**

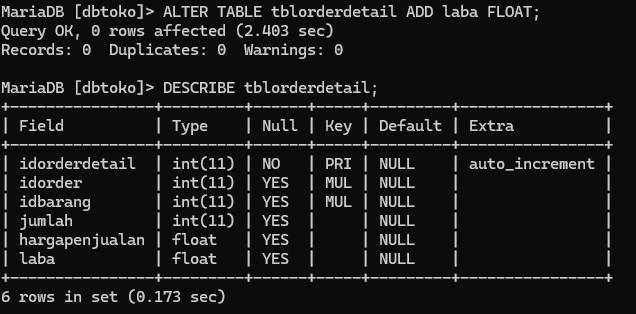
* ****

1. **Penggunaan function**

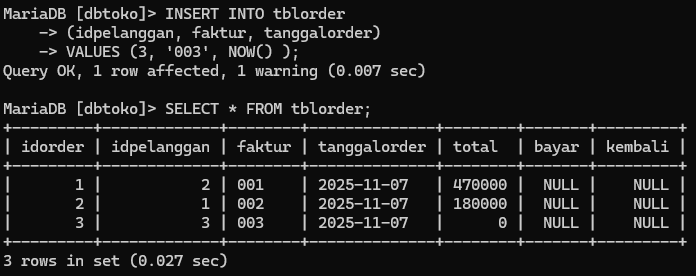
* **Lihat struktur tblorderdetail**

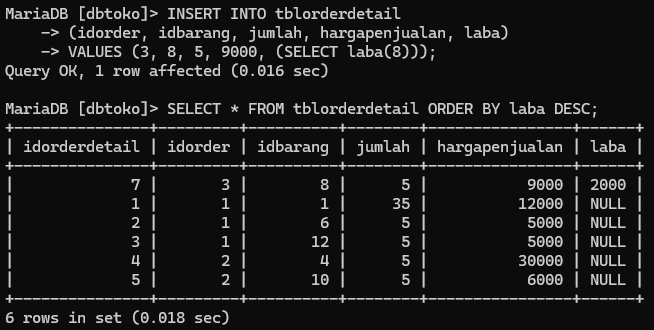
****

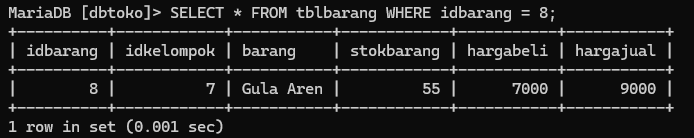
* **Tambahkan kolom laba**

****

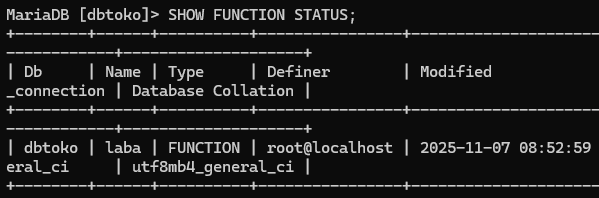
* **Proses order**

****

****

****

1. **Menampilkan semua function**

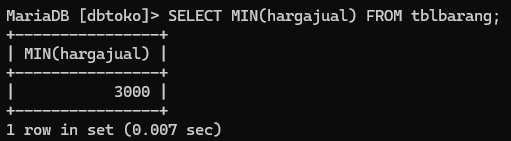
****

1. **Menghapus function**

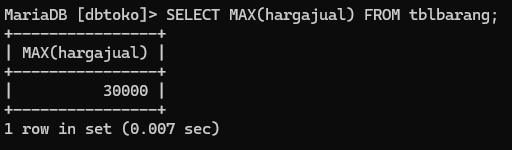
****

**SELECT AGGREGATE**

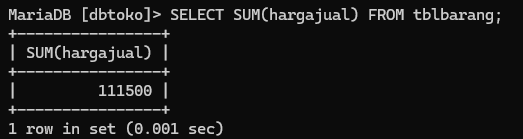
* **Select MIN**

****

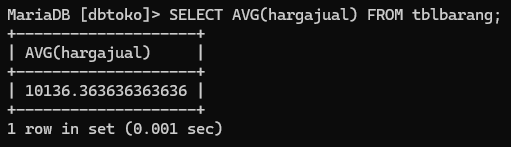
* **Select MAX**

****

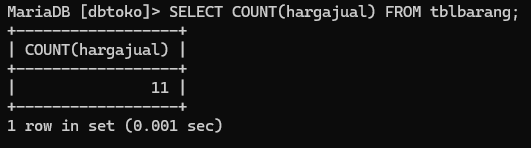
* **Select SUM**

****

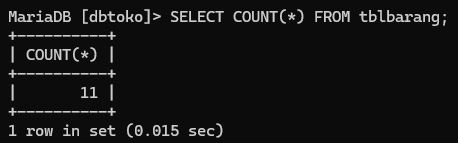
* **Select AVERAGE**

****

* **Select COUNT**

****

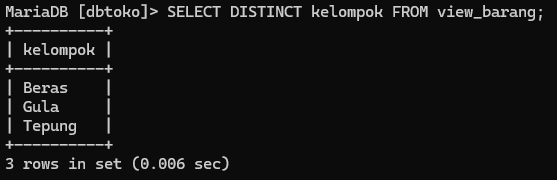
* **Select COUNT(\*)**

****

* **Select between (diantara dua nilai)**

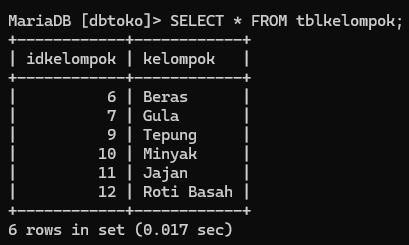
****

* **Select distinct (menampilkan data yg sama hnya 1 kali)**

****

**START TRANSACTION, COMMIT, AND ROLLBACK**

* **Buka tblkelompok**

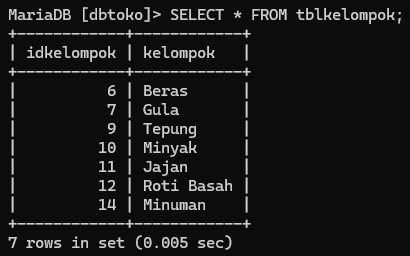
****

* **Perintah start transaction**

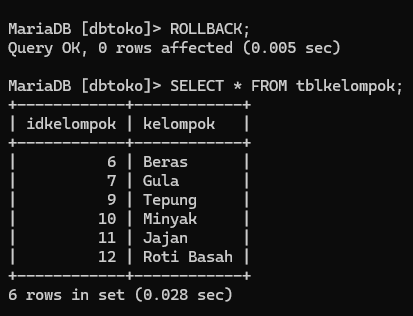
****

* **Insert data**

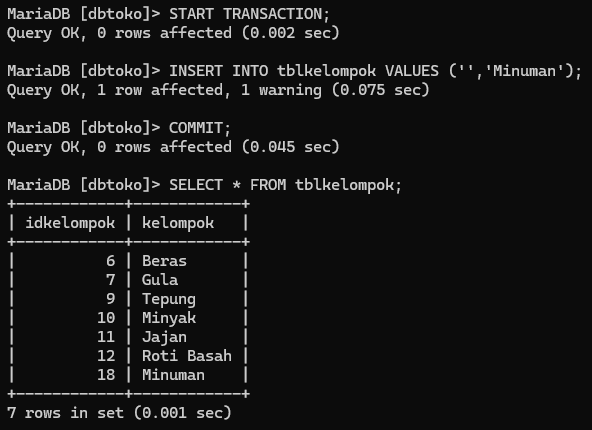
****

****

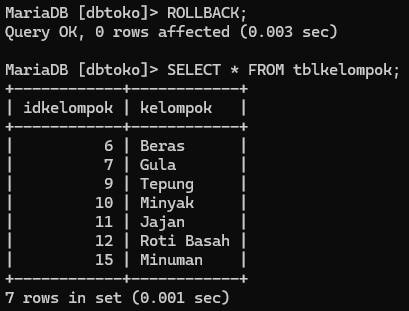
* **Rollback**

****

* **Commit**

****

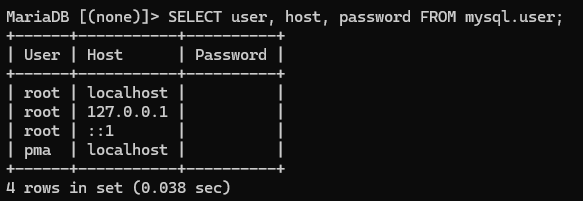
* **Cek rollback (transaksi yg sudah dicommit tdk bisa di rollback)**

****

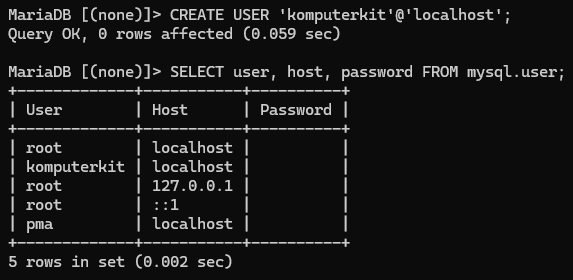
**DCL**

**(Data Control Language)**

**MENAMPILKAN SEMUA USER**

****

**MENAMBAH USER**

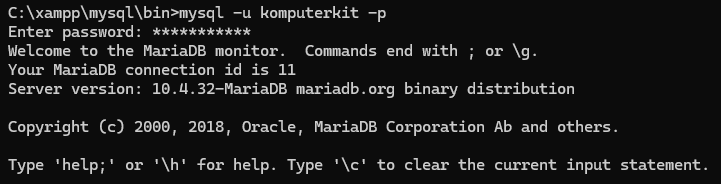
****

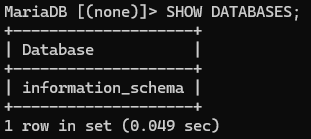
**MEMBERIKAN PASSWORD PADA USER**

****

****

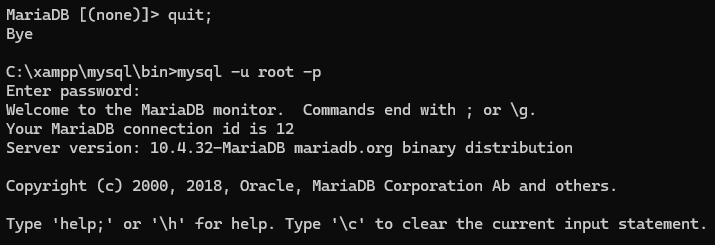
**MENGUJI USER DAN PASS YG TELAH DIBUAT**

****

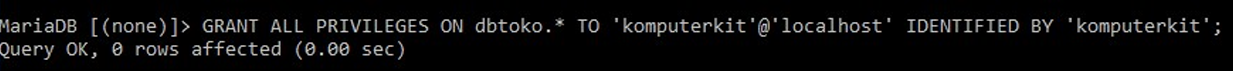
****

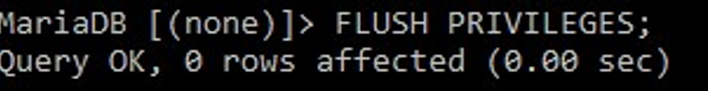
**MEMBERIKAN HAK AKSES (PRIVILEGES) USER KE DATABASE**

* **Quit dan masuk dngan user [root]**

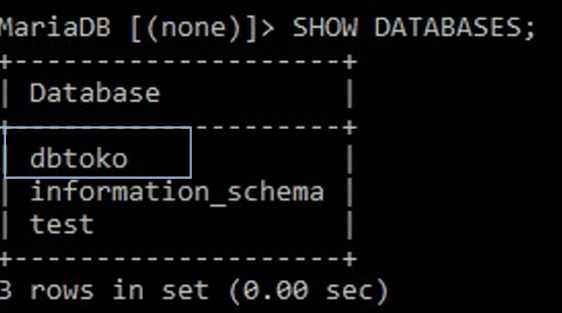
****

* **Perintah memberikan hak akses pada database**

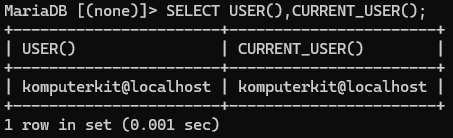


****

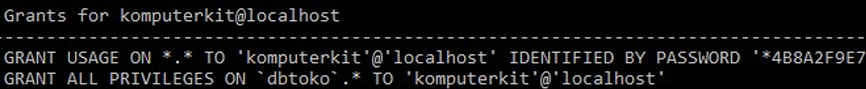
* **Memeriksa hak akses**

****

**MEMERIKSA USER YG SEDANG LOGIN**

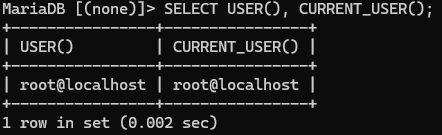
****

**MENAMPILKAN HAK AKSES YG DIBERIKAN**

****

**MENGHAPUS HAK AKSES**

* **Cek user login**

****

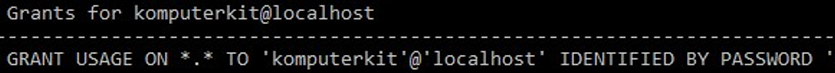
* **Menghapus hak akses**

****

* **Refresh perubahan**

****

* **Cek hasil**

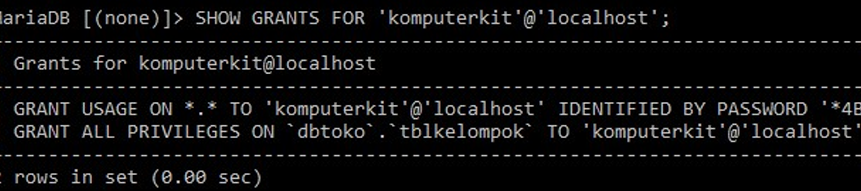
****

**MEMBERIKAN HAK AKSES PADA DATABASE DENGAN TABEL**

* **Memberikan akses**

****

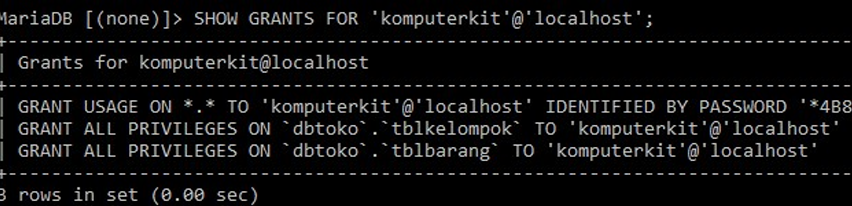
* **Periksa hak akses**

****

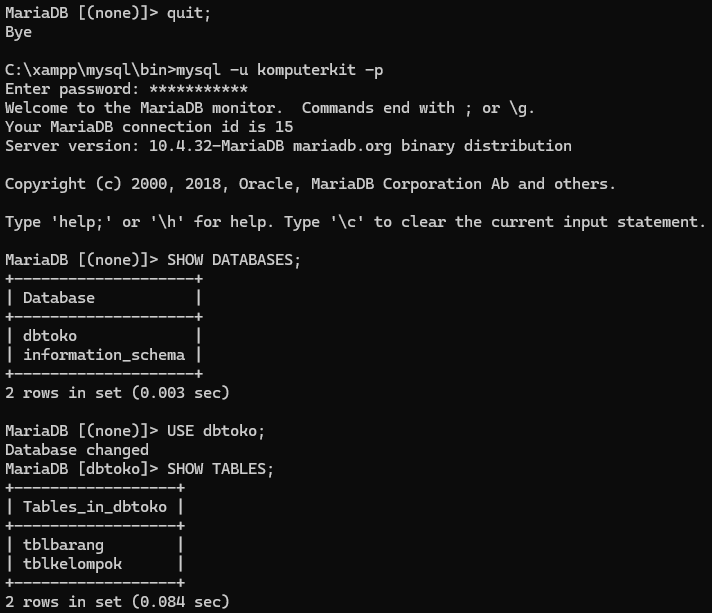
* **Menambah table yg diberikan hak akses**

****

* **Periksa hasil**

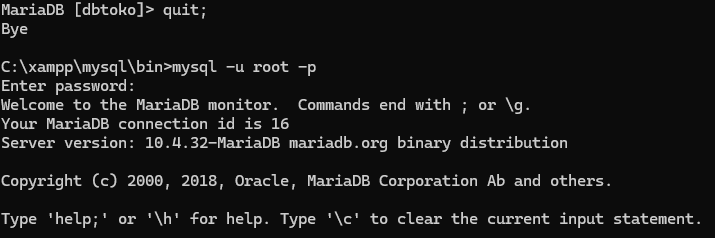
****

* **Memeriksa hasil hak akses**

****

**MEMBERIKAN HAK AKSES PADA SELECT, INSERT, DELETE, UPDATE, PADA TABEL**

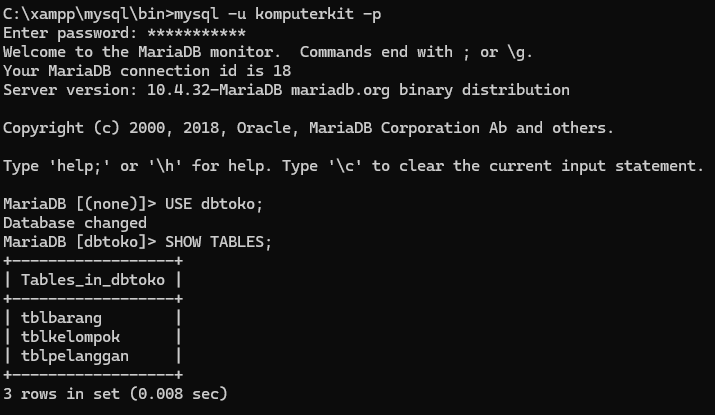
* **Keluar dan masuk dngan user [root]**

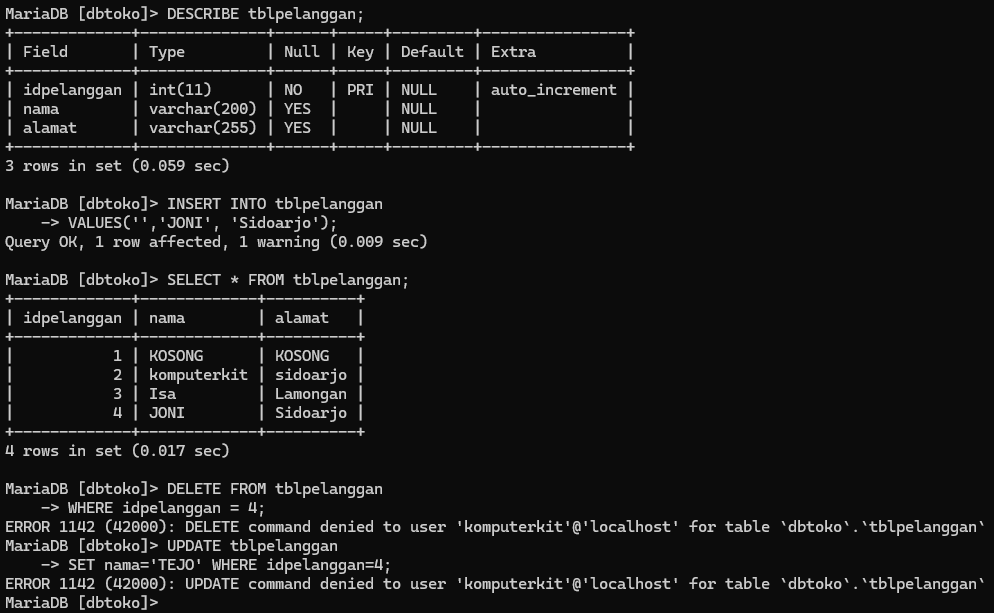
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* **Tambahkan hak akses SELECT dan INSERT pada table [tblpelanggan]**

****

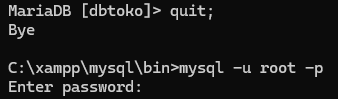
* **Lakukan pengujian**

****

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**UBAH PASSWORD USER**

* **Keluar dan masuk dngan user [root]**

****

* **Ubah password**

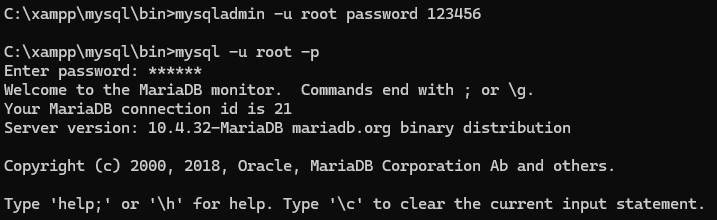
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**HAPUS USER**

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**MERUBAH PASSWORD USER [root]**

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* **Merubah password lama dngan yg baru**

****

**ALHAMDULILLAHHHH**