TUGAS KELOMPOK BASIS DATA

KELAS D – KODE ASDOS I – KELOMPOK 4

**TAHAP I : Implementasi Basis Data**

**TOKOKEREN**

**Membuat perintah DDL pembuatan setiap tabel dan menampilkan strukturnya.**

1. Membuat skema TOKOKEREN dengan perintah

CREATE SCHEMA TOKOKEREN;

Screen Clipping

1. *Set schema default* dengan perintah

SET search\_path TO TOKOKEREN;

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1. Membuat tabel PENGGUNA dengan perintah

CREATE TABLE PENGGUNA (

email VARCHAR(50) NOT NULL,

password VARCHAR(20) NOT NULL,

nama VARCHAR(100) NOT NULL,

jenis\_kelamin CHAR(1) NOT NULL,

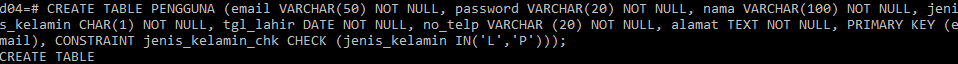
tgl\_lahir DATE NOT NULL,

no\_telp VARCHAR (20) NOT NULL,

alamat TEXT NOT NULL,

PRIMARY KEY (email),

CONSTRAINT jenis\_kelamin\_chk CHECK (jenis\_kelamin IN('L','P')));



1. Membuat tabel PELANGGAN dengan perintah

CREATE TABLE PELANGGAN (

email VARCHAR(50) NOT NULL,

is\_penjual BOOLEAN NOT NULL,

nilai\_reputasi NUMERIC(10,1),

poin INT,

PRIMARY KEY (email),

FOREIGN KEY (email) REFERENCES PENGGUNA(email) ON UPDATE CASCADE ON DELETE RESTRICT);

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1. Membuat tabel TOKO dengan perintah

CREATE TABLE TOKO (

nama VARCHAR (100) NOT NULL,

deskripsi TEXT, slogan VARCHAR(100),

email\_penjual VARCHAR(50) NOT NULL,

PRIMARY KEY (nama),

FOREIGN KEY (email\_penjual) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT);

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1. Membuat tabel JASA\_KIRIM dengan perintah

CREATE TABLE JASA\_KIRIM (

nama VARCHAR(100) NOT NULL,

lama\_kirim VARCHAR(10) NOT NULL,

tarif NUMERIC(10, 2) NOT NULL,

PRIMARY KEY (nama));

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1. Membuat tabel TOKO\_JASA\_KIRIM dengan perintah

CREATE TABLE TOKO\_JASA\_KIRIM (

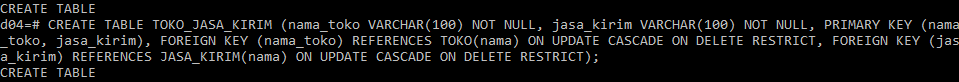
nama\_toko VARCHAR(100) NOT NULL,

jasa\_kirim VARCHAR(100) NOT NULL,

PRIMARY KEY (nama\_toko, jasa\_kirim),

FOREIGN KEY (nama\_toko) REFERENCES TOKO(nama) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (jasa\_kirim) REFERENCES JASA\_KIRIM(nama) ON UPDATE CASCADE ON DELETE RESTRICT);



1. Membuat tabel KATEGORI\_UTAMA dengan perintah

CREATE TABLE KATEGORI\_UTAMA (

kode CHAR(3) NOT NULL,

nama VARCHAR(100) NOT NULL,

PRIMARY KEY (kode));

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1. Membuat tabel SUB\_KATEGORI dengan perintah CREATE TABLE SUB\_KATEGORI (

kode CHAR(5) NOT NULL,

kode\_kategori CHAR(3) NOT NULL,

nama VARCHAR(100) NOT NULL,

PRIMARY KEY (kode),

FOREIGN KEY (kode\_kategori) REFERENCES KATEGORI\_UTAMA(kode) ON UPDATE CASCADE ON DELETE RESTRICT);

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1. Membuat tabel PRODUK dengan perintah

CREATE TABLE PRODUK (

kode\_produk CHAR(8) NOT NULL,

nama VARCHAR(100) NOT NULL,

harga NUMERIC(10, 2) NOT NULL,

deskripsi TEXT,

PRIMARY KEY (kode\_produk));

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1. Membuat tabel PRODUK\_PULSA dengan perintah

CREATE TABLE PRODUK\_PULSA (

kode\_produk CHAR(8) NOT NULL,

nominal INT NOT NULL, PRIMARY KEY (kode\_produk),

FOREIGN KEY (kode\_produk) REFERENCES PRODUK(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT);

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1. Membuat tabel SHIPPED\_PRODUK dengan perintah

CREATE TABLE SHIPPED\_PRODUK (

kode\_produk CHAR(8) NOT NULL,

kategori CHAR(5) NOT NULL,

nama\_toko VARCHAR(100) NOT NULL,

is\_asuransi BOOLEAN NOT NULL, stok INT NOT NULL,

is\_baru BOOLEAN NOT NULL,

min\_order INT NOT NULL,

min\_grosir INT NOT NULL,

max\_grosir INT NOT NULL,

harga\_grosir NUMERIC(10,2) NOT NULL,

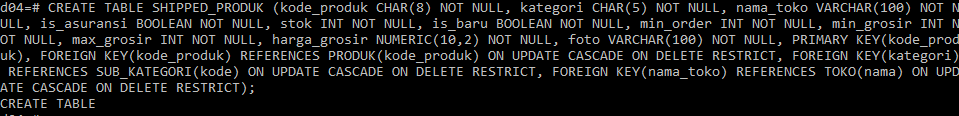
foto VARCHAR(100) NOT NULL,

PRIMARY KEY(kode\_produk),

FOREIGN KEY(kode\_produk) REFERENCES PRODUK(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY(kategori) REFERENCES SUB\_KATEGORI(kode) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY(nama\_toko) REFERENCES TOKO(nama) ON UPDATE CASCADE ON DELETE RESTRICT);



1. Membuat tabel TRANSAKSI\_SHIPPED dengan perintah

CREATE TABLE TRANSAKSI\_SHIPPED (

no\_invoice CHAR(10) NOT NULL,

tanggal DATE NOT NULL,

waktu\_bayar TIMESTAMP,

status SMALLINT NOT NULL,

total\_bayar NUMERIC(10, 2) NOT NULL,

email\_pembeli VARCHAR(50) NOT NULL,

nama\_toko VARCHAR(100) NOT NULL,

alamat\_kirim TEXT NOT NULL,

biaya\_kirim NUMERIC(10, 2) NOT NULL,

no\_resi CHAR(16),

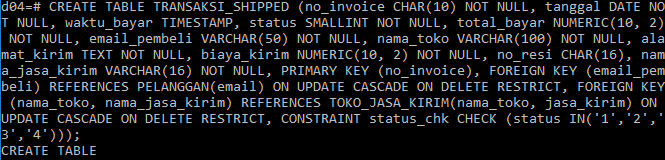
nama\_jasa\_kirim VARCHAR(16) NOT NULL,

PRIMARY KEY (no\_invoice),

FOREIGN KEY (email\_pembeli) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (nama\_toko, nama\_jasa\_kirim) REFERENCES TOKO\_JASA\_KIRIM(nama\_toko, jasa\_kirim) ON UPDATE CASCADE ON DELETE RESTRICT,

CONSTRAINT status\_chk CHECK (status IN('1','2','3','4')));



1. Membuat tabel TRANSAKSI\_PULSA dengan perintah

CREATE TABLE TRANSAKSI\_PULSA (

no\_invoice CHAR(10) NOT NULL,

tanggal DATE NOT NULL,

waktu\_bayar TIMESTAMP,

status SMALLINT,

total\_bayar NUMERIC(10,2) NOT NULL,

email\_pembeli VARCHAR(50) NOT NULL,

nominal INT NOT NULL,

nomor VARCHAR(20) NOT NULL,

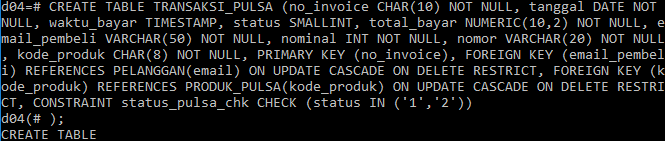
kode\_produk CHAR(8) NOT NULL,

PRIMARY KEY (no\_invoice),

FOREIGN KEY (email\_pembeli) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (kode\_produk) REFERENCES PRODUK\_PULSA(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT,

CONSTRAINT status\_pulsa\_chk CHECK (status IN ('1','2')));



1. Membuat tabel PROMO dengan perintah

CREATE TABLE PROMO (

id CHAR(6) NOT NULL,

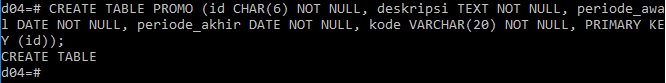
deskripsi TEXT NOT NULL,

periode\_awal DATE NOT NULL,

periode\_akhir DATE NOT NULL,

kode VARCHAR(20) NOT NULL,

PRIMARY KEY (id));



1. Membuat tabel PROMO\_PRODUK dengan perintah

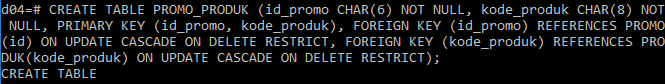
CREATE TABLE PROMO\_PRODUK (

id\_promo CHAR(6) NOT NULL,

kode\_produk CHAR(8) NOT NULL,

PRIMARY KEY (id\_promo, kode\_produk),

FOREIGN KEY (id\_promo) REFERENCES PROMO(id) ON UPDATE CASCADE ON DELETE RESTRICT, FOREIGN KEY (kode\_produk) REFERENCES PRODUK(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT);



1. Membuat tabel ULASAN dengan perintah

CREATE TABLE ULASAN (

email\_pembeli VARCHAR(50) NOT NULL,

kode\_produk CHAR(8) NOT NULL,

tanggal DATE NOT NULL,

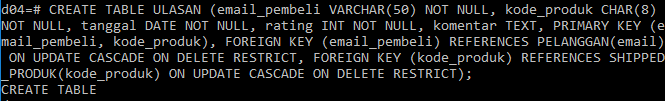
rating INT NOT NULL,

komentar TEXT,

PRIMARY KEY (email\_pembeli, kode\_produk),

FOREIGN KEY (email\_pembeli) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (kode\_produk) REFERENCES SHIPPED\_PRODUK(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT);



1. Membuat tabel KOMENTAR\_DISKUSI dengan perintah

CREATE TABLE KOMENTAR\_DISKUSI (

pengirim VARCHAR(50) NOT NULL,

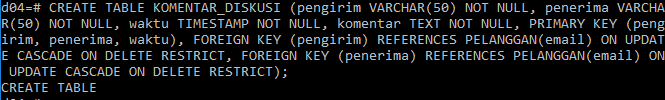
penerima VARCHAR(50) NOT NULL,

waktu TIMESTAMP NOT NULL,

komentar TEXT NOT NULL,

PRIMARY KEY (pengirim, penerima, waktu), FOREIGN KEY (pengirim) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (penerima) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT);



1. Membuat tabel LIST\_ITEM dengan perintah CREATE TABLE LIST\_ITEM (

no\_invoice CHAR(10) NOT NULL,

kode\_produk CHAR(8) NOT NULL,

berat INT NOT NULL,

kuantitas INT NOT NULL,

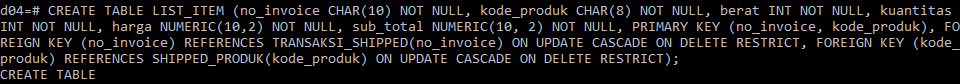
harga NUMERIC(10,2) NOT NULL,

sub\_total NUMERIC(10, 2) NOT NULL,

PRIMARY KEY (no\_invoice, kode\_produk),

FOREIGN KEY (no\_invoice) REFERENCES TRANSAKSI\_SHIPPED(no\_invoice) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (kode\_produk) REFERENCES SHIPPED\_PRODUK(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT);



1. Membuat tabel KERANJANG\_BELANJA dengan perintah

CREATE TABLE KERANJANG\_BELANJA (

pembeli VARCHAR(50) NOT NULL,

kode\_produk CHAR(8) NOT NULL,

berat INT NOT NULL, kuantitas INT NOT NULL,

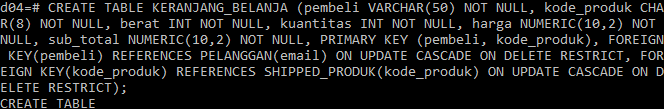
harga NUMERIC(10,2) NOT NULL,

sub\_total NUMERIC(10,2) NOT NULL,

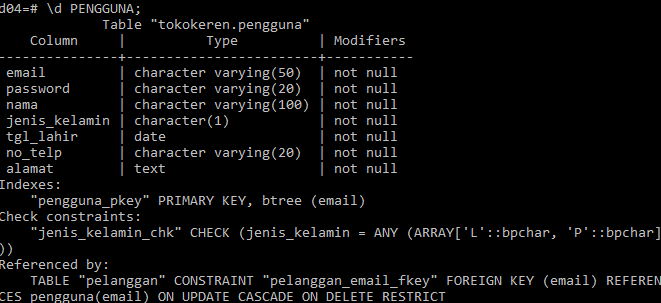
PRIMARY KEY (pembeli, kode\_produk),

FOREIGN KEY(pembeli) REFERENCES PELANGGAN(email) ON UPDATE CASCADE ON DELETE RESTRICT,

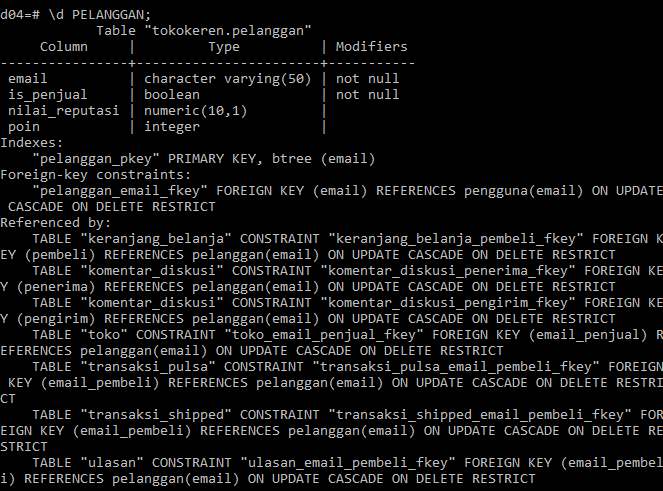
FOREIGN KEY(kode\_produk) REFERENCES SHIPPED\_PRODUK(kode\_produk) ON UPDATE CASCADE ON DELETE RESTRICT);



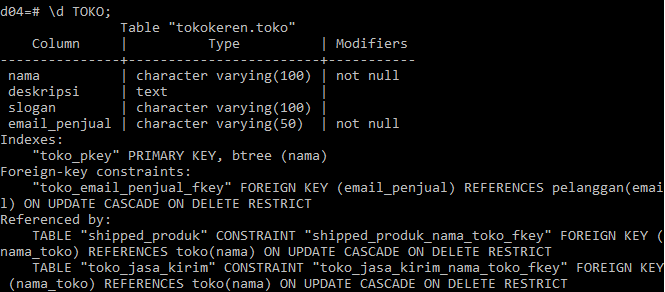
1. Menampilkan struktur tabel dengan perintah \d NAMA\_TABEL;
2. \d PENGGUNA;



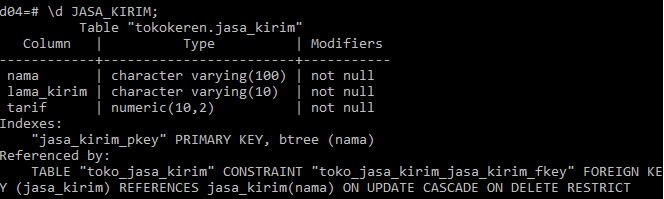
1. \d PELANGGAN;



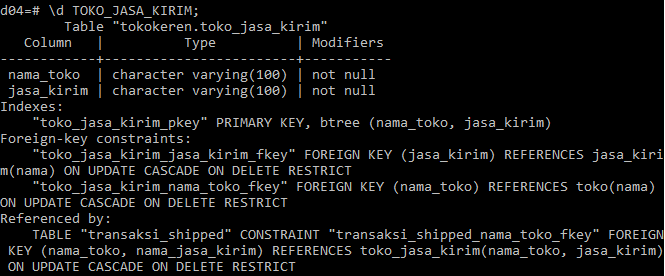
1. \d TOKO;



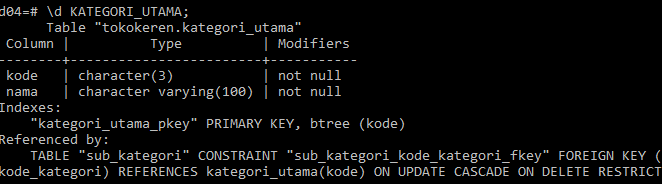
1. \d JASA\_KIRIM;



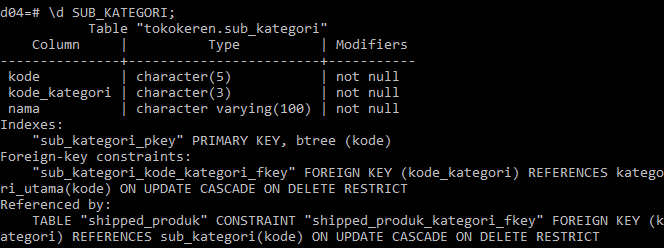
1. \d TOKO\_JASA\_KIRIM;



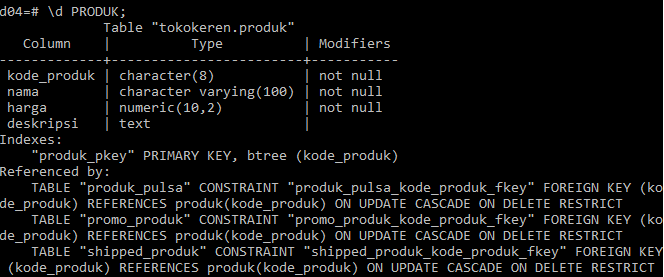
1. \d KATEGORI\_UTAMA;



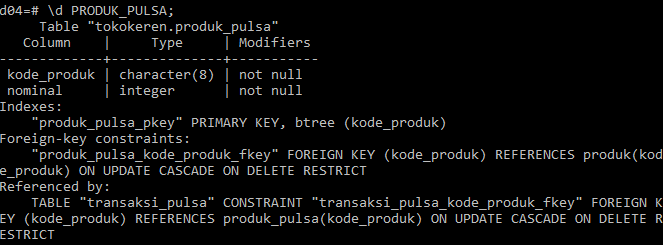
1. \d SUB\_KATEGORI;



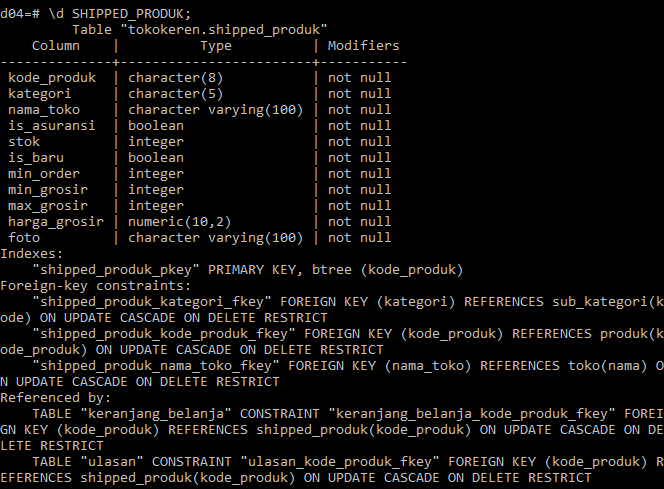
1. \d PRODUK;



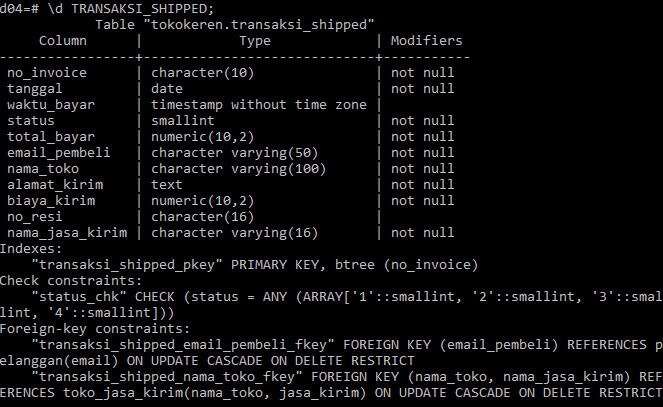
1. \d PRODUK\_PULSA;



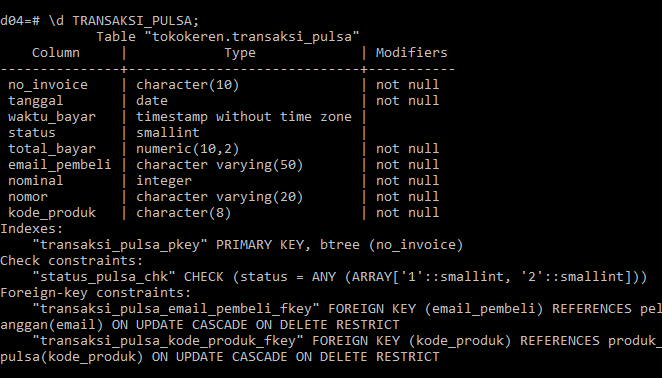
1. \d SHIPPED PRODUK;



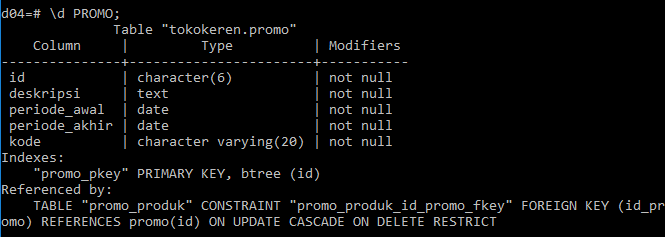
1. \d TRANSAKSI\_SHIPPED;



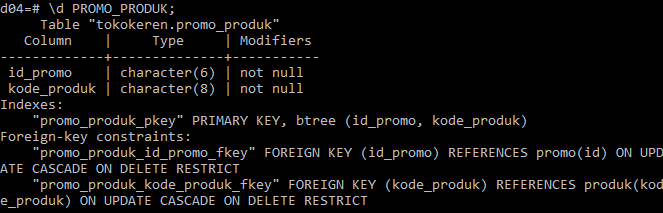
1. \d TRANSAKSI\_PULSA;



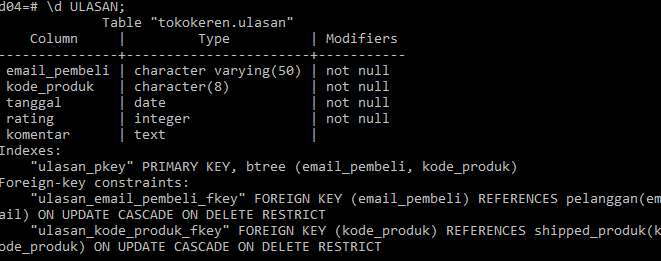
1. \d PROMO;



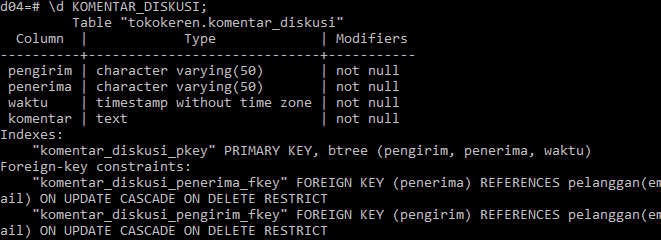
1. \d PROMO\_PRODUK;



1. \d ULASAN;



1. \d KOMENTAR\_DISKUSI;



1. \d KERANJANG\_BELANJA;

