Create database alta_online_shop

```
Active code page: 1252
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
Password for user postgres:
psql (14.1)
Type "help" for help.

postgres=# create database alta_online_shop;
CREATE DATABASE
```

Create table users, products, transactions and kurir

```
postgres=# create table users (
postgres(# id bigserial not null primary key,
postgres(# nama varchar not null,
postgres(# alamat varchar not null,
postgres(# tanggal_lahir timestamp not null,
postgres(# gender varchar not null,
postgres(# created_at timestamptz not null,
postgres(# update_at timestamp not null );
CREATE TABLE
postgres=# create table products (
postgres(# id bigserial not null primary key,
postgres(# product varchar not null,
postgres(# product_type varchar not null,
postgres(# product_description varchar not null,
postgres(# operator varchar not null,
postgres(# payment_methods varchar not null );
CREATE TABLE
postgres=# create table transactions (
postgres(# id bigserial not null primary key,
postgres(# customer_id bigint not null,
postgres(# product_id bigint not null,
postgres(# amount bigint not null,
postgres(# created_at timestamptz not null );
CREATE TABLE
postgres=# create table kurir (
postgres(# id bigserial not null primary key,
postgres(# nama varchar not null,
postgres(# created_at timestamptz not null,
postgres(# update_at timestamp not null );
CREATE TABLE
```

Add ongkos_dasar column in kurir's table

```
postgres=# alter table kurir
postgres-# add column ongkos_dasar bigint not null;
ALTER TABLE
```

```
postgres=# select * from kurir;
 id | nama | created_at | update_at | ongkos_dasar
----+------+------------+-----------+--------------
(0 rows)
```

Rename table kurir to shipping

```
postgres=# \d
              List of relations
 Schema |         Name         |   Type   |  Owner
--------+----------------------+----------+----------
 public | kurir                | table    | postgres
 public | kurir_id_seq         | sequence | postgres
 public | products             | table    | postgres
 public | products_id_seq      | sequence | postgres
 public | transactions         | table    | postgres
 public | transactions_id_seq  | sequence | postgres
 public | users                | table    | postgres
 public | users_id_seq         | sequence | postgres
(8 rows)


postgres=# alter table kurir
postgres-# rename to shipping;
ALTER TABLE
postgres=# \d
              List of relations
 Schema |         Name         |   Type   |  Owner
--------+----------------------+----------+----------
 public | kurir_id_seq         | sequence | postgres
 public | products             | table    | postgres
 public | products_id_seq      | sequence | postgres
 public | shipping             | table    | postgres
 public | transactions         | table    | postgres
 public | transactions_id_seq  | sequence | postgres
 public | users                | table    | postgres
 public | users_id_seq         | sequence | postgres
(8 rows)
```

Delete/Drop table shipping

```
postgres=# drop table shipping;
DROP TABLE
postgres=# \d
              List of relations
 Schema |         Name         |   Type   |  Owner
--------+----------------------+----------+----------
 public | products             | table    | postgres
 public | products_id_seq      | sequence | postgres
 public | transactions         | table    | postgres
 public | transactions_id_seq  | sequence | postgres
 public | users                | table    | postgres
 public | users_id_seq         | sequence | postgres
(6 rows)
```

One to one -> users and payment

```
postgres=# create table payment (
postgres(# id bigserial not null primary key,
postgres(# payment_method_description varchar not null);
CREATE TABLE
postgres=# alter table payment
postgres-# add foreign key (id) references users (id);
ALTER TABLE
postgres=# alter table users
postgres-# add foreign key (id) references payment (id);
ALTER TABLE
postgres=#
```

One to many -> users to alamat_detail

```
postgres=# create table alamat_detail (
postgres(# id bigserial not null primary key,
postgres(# alamat_user_id bigserial not null,
postgres(# alamat_lengkap varchar not null);
CREATE TABLE
postgres=# alter table alamat_detail
postgres-# add foreign key (alamat_user_id) references users (id);
ALTER TABLE
```

Many to many -> users and payment id

```
postgres=# create table user_payment_method_detail(
postgres(# user_id bigint references users(id),
postgres(# payment_id bigint references payment(id),
postgres(# constraint id primary key (user_id, payment_id));
CREATE TABLE
postgres=# select * from user_payment_method_detail;
 user_id | payment_id
---------+-------------
(0 rows)
```