Exercise(IntroductionToDatabase)

```sql
create database store;
create table countries
(
    code         int primary key,
    name         varchar(20) unique,
    continent_name varchar(20) not null
);

create table users
(
    id          int primary key,
    full_name    varchar(20),
    email       varchar(20) unique,
    gender      char(1) check (gender = 'm' or gender = 'f'),
    date_of_birth varchar(15),
    created_at   datetime default current_timestamp,
    country_code  int,
    foreign key (country_code) references countries (code)
);

create table orders
(
    id       int primary key,
    user_id   int,
    foreign key (user_id) references users (id),
    status    varchar(6) check (status = 'start' or status = 'finish'),
    created_at datetime default current_timestamp
);

create table product
(
    id       int primary key,
    name      varchar(10) not null,
    price    int     default 0,
    status    varchar(10) check ( status = 'valid' or status = 'expired'),
    created_at datetime default current_timestamp
);

create table order_products
(
    order_id   int,
    product_id int,
    foreign key (order_id) references orders (id),
    foreign key (product_id) references product (id)
```

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```
);

alter table order_products
    add column quantity int default 0;



#-----------------------Countries---------------------------
insert into countries
values (1, 'Saudi Arabia', 'Asia');

insert into countries
values (2, 'UAE', 'Asia');

insert into countries
values (3, 'Bahrain', 'Asia');

insert into countries
values (4, 'Kuwait', 'Asia');

insert into countries
values (5, 'Oman', 'Asia');

update countries
set name = 'iraq'
where code = 5;

#------------------Users---------------------------
insert into users
values (101, 'jumanah ibrahim', 'jumanah@gmail.com', 'f', '2003-06-16', current_timestamp, '1');

insert into users
values (102, 'sara', 'sara@gmail.com', 'f', '2002-01-16', current_timestamp, '2');

insert into users
values (103, 'jana', 'jana@gmail.com', 'f', '2000-01-16', current_timestamp, '3');

insert into users
values (104, 'lena', 'lena@gmail.com', 'f', '2009-01-11', current_timestamp, '4');

insert into users
values (105, 'ahmed', 'ahmed@gmail.com', 'm', '2002-01-16', current_timestamp, '4');

update users
set users.full_name = 'jumanah'
```

```sql
where id = 102;

#---------------------------product------------------------
insert into product
values (201, 'laptop', 3500, 'valid', current_timestamp);

insert into product
values (202, 'PC', 5000, 'expired', current_timestamp);

insert into product
values (203, 'iphone', 4200, 'valid', current_timestamp);

insert into product
values (204, 'airpods', 800, 'valid', current_timestamp);

insert into product
values (205, 'charger', 200, 'expired', current_timestamp);

update product
set price=400
where id = 201;
delete
from product
where id = 202;

#---------------------------orders------------------------
insert into orders
values (301, 101, 'start', current_timestamp);

insert into orders
values (302, 102, 'start', current_timestamp);

insert into orders
values (303, 103, 'finish', current_timestamp);

insert into orders
values (304, 104, 'finish', current_timestamp);

insert into orders
values (305, 105, 'start', current_timestamp);

update orders
set status='finish'
where id = 301;
```

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```sql
delete
from orders
where id = 305;

#---------------------------order_products-----------------------------
insert into order_products
values (301, 201, 1);

insert into order_products
values (302, 201, 2);

insert into order_products
values (303, 203, 1);

insert into order_products
values (304, 204, 1);

insert into order_products
values (304, 205, 1);

UPDATE order_products
set order_products.quantity=3
where order_id = 303;
delete
from order_products
where order_id = 301;
```