

Exercise(Introduction To Database)

```
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,  
    foreign key (order_id) references orders(id) ,  
    product_id int ,  
    foreign key (product_id) references product(id)  
);  
alter table order_products add column quantity int default 0;
```

```
insert into countries values (1,'saudi arabia','Asia');
```

```
insert into users values (101,'jumanah ibrahim','jumanah@gmail.com','f','2003-06-
```

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```
16',current_timestamp,'1');  
insert into product values (201,'laptop',3500,'valid',current_timestamp);  
insert into orders values (301,101,'start',current_timestamp);  
insert into order_products values (301,201,1);  
update countries set name = 'Qatar' where code =1 ;
```

We cannot delete the product with id = 201 because it is linked to order_products

```
insert into product values (202,'PC',5000,'expired',current_timestamp);  
delete from product where id = 202;
```