

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-
```

```
insert into countries values (1,'saudi arabia','Asia');
insert into users values (101,'jumanah ibrahim','jumanah@gmail.com','f','2003-06-
```

Exercise(Introduction To Database)

```
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;
```