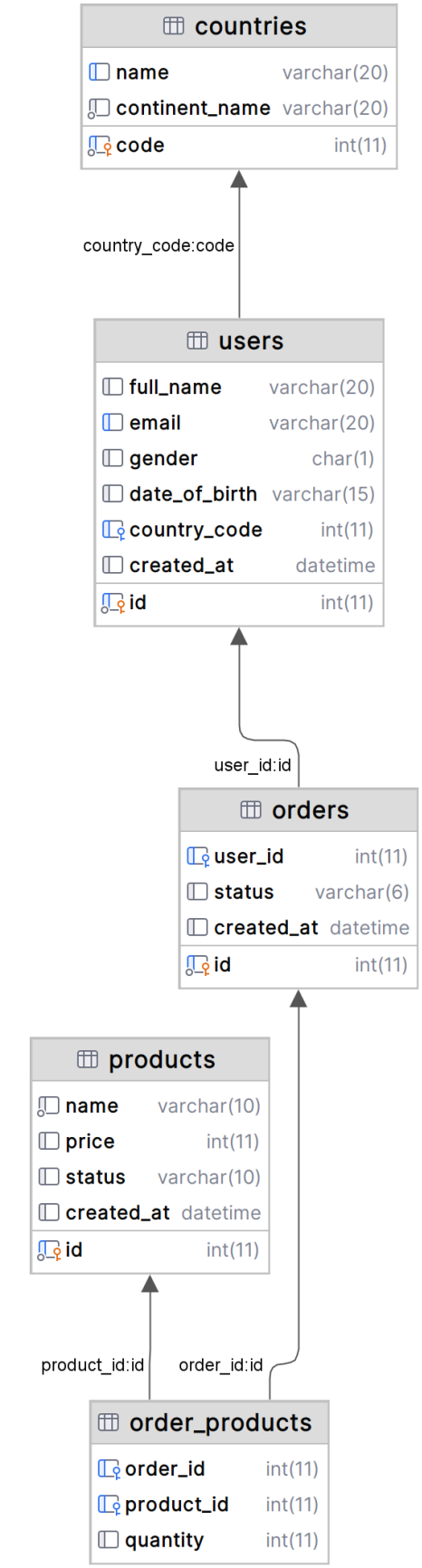
Introduction To Database

Shahad Mohammed


countries
name varchar(20)
continent_name varchar(20)
code int(11)
country_code:code
users
full_name varchar(20)
email varchar(20)
gender char(1)
date_of_birth varchar(15)
country_code int(11)
created_at datetime
id int(11)
user_id:id
orders
user_id int(11)
status varchar(6)
created_at datetime
id int(11)
products
name varchar(10)
price int(11)
status varchar(10)
created_at datetime
id int(11)
product_id:id
order_id:id
order_products
order_id int(11)
product_id int(11)
quantity int(11)

store

```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='f' or gender='m' ),
    date_of_birth varchar(15),
    created_at datetime,
    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
);

create table order_products(
    order_id int ,
    foreign key (order_id) references orders (id),
    product_id int ,
    foreign key (product_id) references products (id),
    quantity int default 0
    );

create table products(
    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
);
#bonus))============================================================
alter table products drop column created_at;
alter table products add column created_at datetime default CURRENT_TIMESTAMP;


alter table orders drop column created_at;
alter table orders add column created_at datetime default CURRENT_TIMESTAMP;


alter table users drop column created_at;
alter table users add column created_at datetime default CURRENT_TIMESTAMP;
#============================================================

#inserting countries
insert into countries values (966,'Saudi Arabia','Asia');
insert into countries values (974,'Qatar','Asia');
insert into countries values (965,'Kuwait','Asia');
insert into countries values (20,'Egypt','Africa');
insert into countries values (968,'Oman','Africa');
update countries set name='Kingdom Saudi Arabia' where code=966;
update countries set continent_name='Asia' where code=968;
```

```sql
delete from countries where code=974;


#inserting users
insert into users values (1,'shahad mohammed','shahad@outlook.com','f','2000-08-23',966,now());
select * from countries;
select * from users;
insert into users values (2,'haya mohammed','haya@gmail.com','f','2006-04-28',965,now());
insert into users values (3,'mohammed abdulrahman','m7md@gmail.com','m','1969-07-
01',968,now());
insert into users values (4,'huda kareem','huda@gmail.com','f','1980-06-17',20,now());
insert into users values (5,'naif bander','naif@gmail.com','m','2002-09-08',966,now());
delete from users where id=5;
update users set email='huda19@gmail.com' where id=4;


#orders
insert into orders values (1,1,'finish',now());
insert into orders values (2,2,'start',now());
insert into orders values (3,3,'finish',now());
insert into orders values (4,1,'start',now());
insert into orders values (5,4,'start',now());
insert into  orders values (6,2,'start',now());
delete from orders where id=6;
update orders set status='finish' where id=5;
#products
insert into products values (1,'notebook',60,'valid',now());
insert into products values (2,'laptop',5600,'valid',now());
insert into products values (3,'bag',180,'valid',now());
insert into products values (4,'A4 papers',60,'valid',now());
insert into products values (5,'snack',20,'expired',now());
delete from products where id=2;
update products set name='grey bag' where id=3;

#orders items
insert into order_products values (1,1,3);
insert into order_products values (2,2,1);
insert into order_products values (3,3,4);
insert into order_products values (4,4,2);
insert into order_products values (1,2,1);
update order_products set quantity=2 where order_id=1 and product_id=1;
delete from order_products where order_id=2 and product_id=2;
```

Shahad Mohammed Al-Jaeethin