

Introduction to SQL

By Osama Dad

```
create database store;

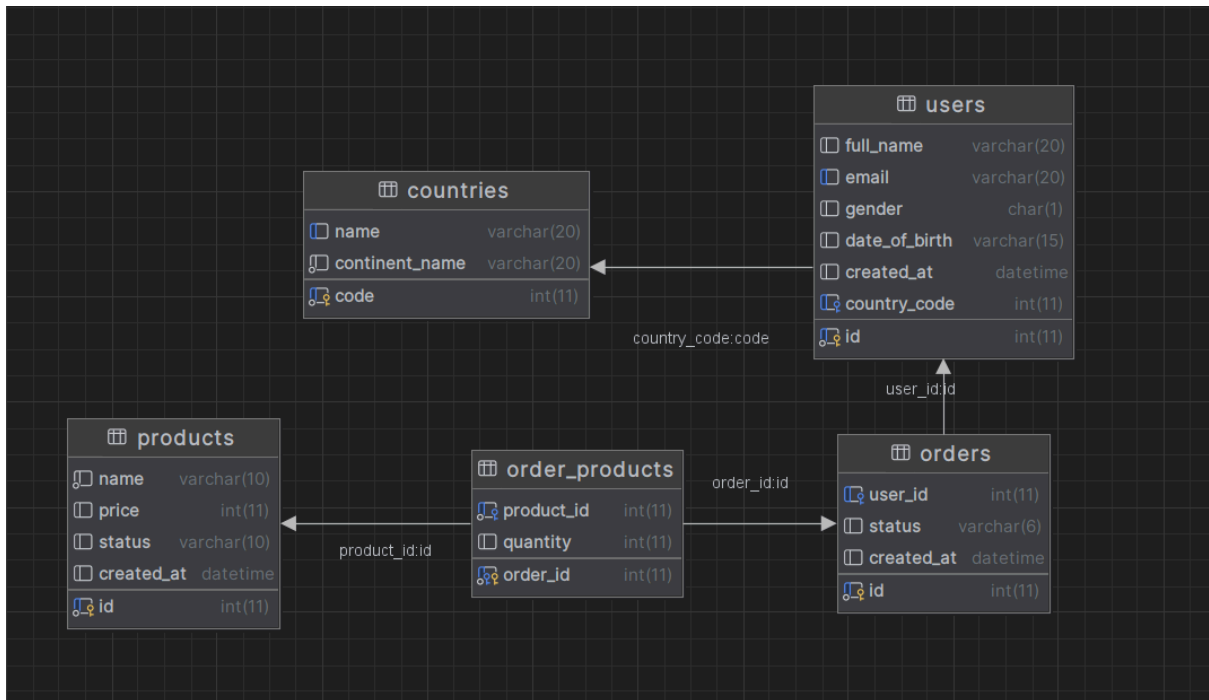
create table countries(
    code int primary key,
    name varchar(20) unique ,
    continent_name varchar(20) not null
);

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 now(),
    country_code int,
    foreign key (country_code) references countries (code)
);

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

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 default now()
);

create table order_products(
    order_id int primary key,
    product_id int not null unique,
    foreign key (order_id) references orders (id),
    foreign key (product_id) references products (id),
    quantity int default 0
);
```



1)Countries table

```

insert into countries (code, name, continent_name)
values (101,'saudi arabia','asia');

select * from countries;
  
```

code	name	continent_name
101	saudi arabia	asia

2)Users table

```

insert into users (id, full_name, email, gender, date_of_birth, country_code)
values (201,'osama dad','osama@gmail.com','m','1990-5-30',101);

select * from users;
  
```

id	full_name	email	gender	date_of_birth	created_at	country_code
1	201 osama dad	osama@gmail.com	m	1990-5-30	2025-11-19 19:27:01	101

3)Orders table

```
insert into orders (id, user_id, status)
values (301,201, 'finish');

select * from orders;
```

id	user_id	status	created_at
1	301	201 finish	2025-11-19 19:27:02

4)Products table

```
insert into products (id, name, price, status)
values (401, 'phone',1500, 'valid');
insert into products (id, name, price, status, created_at)
values (402, 'meat',50, 'expired', default);

select * from products;
```

id	name	price	status	created_at
1	401 phone	1500	valid	2025-11-19 19:27:02
2	402 meat	50	expired	2025-11-19 19:32:31

5)Order_products table

```
insert into order_products (order_id, product_id, quantity)
values (301,401,2);

select * from order_products;
```

	order_id	product_id	quantity
1	301	401	2

- Update the countries row

```
update countries set continent_name='middle east' where code=101;
```

	code	name	continent_name
1	101	saudi arabia	middle east

- Delete product row

```
delete from products where id=402;
```

	id	name	price	status	created_at
1	401	phone	1500	valid	2025-11-19 19:27:02