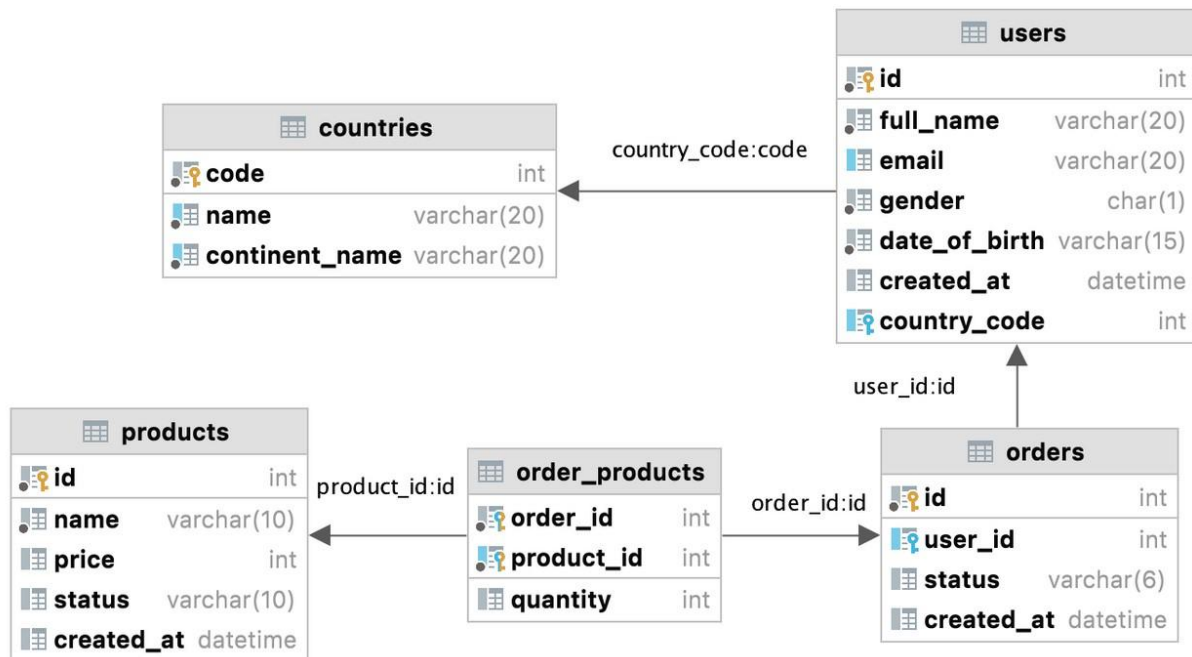


## Exercise (Introduction to Database)

Complete the following steps to complete the project:



### 1- Create the above database as shown in the image with the following steps :

1. Create database named " store ".
2. Create table countries.
3. Create table users.
4. Create table orders.
5. Create table order\_products.
6. Create table products.

### 2- Connect tables using foreign keys when applicable

### 3 - Add the following constraints to each tables

#### 1. countries

- i. Add unique constraint to column " name ". ii. Add not null constraint to column " continent\_name ".

#### 2. users

- i. Add unique constraint to column " email ". ii. Add check constraint to column " gender " between 'm' or 'f'.

#### 3. orders

- i. Add check constraint to column " status " between 'start' or 'finish'.

#### 4. order\_items

- i. Add default value to column " quantity " value 0.

#### 5. products

- i. Add default value to column " price " value 0. ii. Add not null constraint to column " name ". iii. Add check constraint to column " status " between 'valid' or 'expired'.

**Bouns : Add default datetime to created\_at column which take the timestep when the row is created**

### 4- Write the DML commands for the following instructions ( choose data randomly ) :

1. Add new row to the countries table.
2. Add new row to the users table.
3. Add new row to the orders table.
4. Add new row to the products table.
5. Add new row to the order\_products table.
6. Update row from countries table.
7. Delete row from products table.

