############  
#1- Create the above database as shown in the image with the  
#following steps:  
##1. Create database named " store ".  
create database store;  
#2. Create table countries.  
# 1. countries:  
# i. Add unique constraint to column " name ".  
# ii. Add not null constraint to column " continent\_name "  
  
  
create table countries (  
 code int primary key ,  
 name varchar(20) unique ,  
 continent\_name varchar(20) not null  
);  
  
select \* from countries;  
  
#3. Create table users.  
#2. users:  
#i. Add unique constraint to column " email ".  
#ii. Add check constraint to column " gender " between 'm' or 'f'.  
  
create table users (  
 id int primary key,  
 full\_name varchar(20),  
 email varchar(20) unique,  
 gender char(1) check (gender in ('m', 'f')),  
 date\_of\_birth varchar(15),  
 created\_at timestamp default *current\_timestamp*,  
 country\_code int ,  
 foreign key (country\_code)references countries(code)  
);  
select \* from users;  
  
#4. Create table orders  
#3. orders:  
#i. Add check constraint to column " status " between 'start' or 'finish'.  
create table orders (  
 id int primary key,  
 user\_id int,  
 status varchar(6) check (status in ('start', 'finish')),  
 created\_at timestamp default *current\_timestamp*,  
 foreign key (user\_id) references users(id)  
);  
select \* from orders;  
  
#5. Create table order\_products.  
#4. order\_items  
#i. Add default value to column " quantity " value 0  
create table order\_products (  
  
 order\_id int ,  
 product\_id int ,  
 quantity int default 0,  
 foreign key (order\_id) references orders(id),  
 foreign key (product\_id) references products(id)  
);  
select \*from order\_products;  
  
#6. Create table products.  
#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  
create table products (  
 id int primary key ,  
 name varchar(10) not null,  
 price int default 0,  
 status varchar(10) check (status in ('valid', 'expired')),  
 created\_at datetime  
);  
select \*from products;  
  
#4- Write the DML commands for the following instructions ( choose data  
#randomly ) :  
#1. Add new row to the countries table.  
insert into countries values (11421,'KSA','Riyadh');  
  
#2. Add new row to the users table  
insert into users values (1,'Reeham Mohammed','Reeham@gmail.com','f','2005-21-07', *current\_timestamp*, 11421);  
  
#3. Add new row to the orders table.  
insert into orders values (1, 1, 'start', *current\_timestamp*);  
  
#4. Add a new row to the products table.  
insert into products values (1, 'Bag', 700, 'valid', *current\_timestamp*);  
insert into products values (2, 'Bag2', 800, 'valid', *current\_timestamp*);  
  
#5. Add a new row to the order\_products table.  
insert into order\_products values (1, 1, 2);  
  
#6. Update row from countries table.  
update countries set continent\_name = 'Mecca' where name = 'KSA';  
  
#7. Delete row from products table  
select \*from products;  
delete from products where id = 1;