Q1:

-create database store;

Create table countries(

Code   int   not nall,

Name   varchar(100)   not null,

Continent_name   varchar(50)   not null ,

Created_at   datatime   not null ,

Primary key (code) ,

   unique key ux_countries_name ('name)

);

Create table users(

Id   int   not null ,

Full_name   varchar (150) not null ,

Email   varchar (150)   not null ,

Gender   char (1)   not null ,

Date _of_birth   data null ,

Created_at datatime not null   default   current_timestamp,

Country_code   int   not null ,

Primary key   ('id'),

Unique key 'ux_users_email ('email'),

Constraint ''chk_users_gender' check ('gender' in (' m ' , ' f ')),

Constraint ' fk_users_country ' foreign key (' country_code '),

References ' countries ' (' code ')

);

```sql
Create table products(

Id    int    not null    auto_increment,

Name    varchar ( 150 )   not null ,

Price   decimal ( 12.2 )  not null   default 0.0,

Status   varchar ( 20 )  not null ,

Created_at datatime not null  default  current_timestamp,

Primary key  ( ' id ' ) ,

Constraint ' chk_products_status '  check ( ' status ' in ( ' valid ' , ' expired ' )

);



Create table orders (

Id  int  not null   auto_increment ,

User_id  int  not null ,

Status  varchar( 20 )  not null ,

Created_at  datatime  not null default current_timestamp,

Primary key  ( ' id ' ),

Constraint ' chk_orders_status '  check ( ' status ' in ( ' start ' , ' finish ' )),

Constraint ' fk_orders_user ' foreign key ( ' user_id ' ),

References ' users ' ( ' id ' )

);


Create table  order_products (

Order_id   int  not null ,

Product_id  int notnull ,

Quantity int  not null  default 0 ,

Primary key  ( ' order_id ' , ' product_id ' ) ,

Constraint ' fk_op_order ' foreign key ( ' order_id ' )
```

```sql
 reference  'orders' ('id')
constraint 'fk_op_product'  foreign key ('product_id')
reference 'products' ('id')
);




Insert  into  countries ('code' , 'name' , 'continent_name') values
(1 , 'Qatar' , 'asia'),
(2 , 'brazil' , 'America') ,
(3 , 'mroco' , 'Africa') ;


Insert  into  users
('full_name' , 'email' , 'gender' , 'date_of_birth' , 'country_code')
('abdulrhman  seed alsarari' , 'aa@gmail.com' , 'm' , 22-2-2222, 1 ),
('Mohamed seed alsarari' , 'mm@gmail.com' , 'm' , '1999-2-25' , 3),
('nora seed alsarari' , 'ff@gmail.com' , 'f , '1995-5-42),


Insert into products ('name' , 'price' , 'status') value
('phone Huawei' , 2000 , 'valid'),
('laptop' , 4000 , 'valid'),
('book' , 0.0 , 'expired');


Insert into orders ( user_id , status) values
(1 , 'start'),
(2 , 'finish');
```

```sql
Insert   into   order_products ( order_id , product_id , quantity ) values
 ( 1 , 1 , 1 ),
( 1 , 2 , 2 ),
( 2 , 3 , 1 );


Update  countries
Set   name  = ' Saudi arabia '  ,
Continent_name = ' asia '    where  code = 1;
```