**CASE STUDY - 6**

**Create following tables in SQL Schema with appropriate class and write the unit test case for the Ecommerce application.**

**Schema Design:**

1. customers table:

• customer\_id (Primary Key)

• name

• email

• password

2. products table:

• product\_id (Primary Key)

• name • price

• description

• stockQuantity

3. cart table:

• cart\_id (Primary Key)

• customer\_id (Foreign Key)

• product\_id (Foreign Key)

• quantity

4. orders table:

• order\_id (Primary Key)

• customer\_id (Foreign Key)

• order\_date

• total\_price • shipping\_address

5. order\_items table (to store order details):

• order\_item\_id (Primary Key)

• order\_id (Foreign Key)

• product\_id (Foreign Key)

• quantity

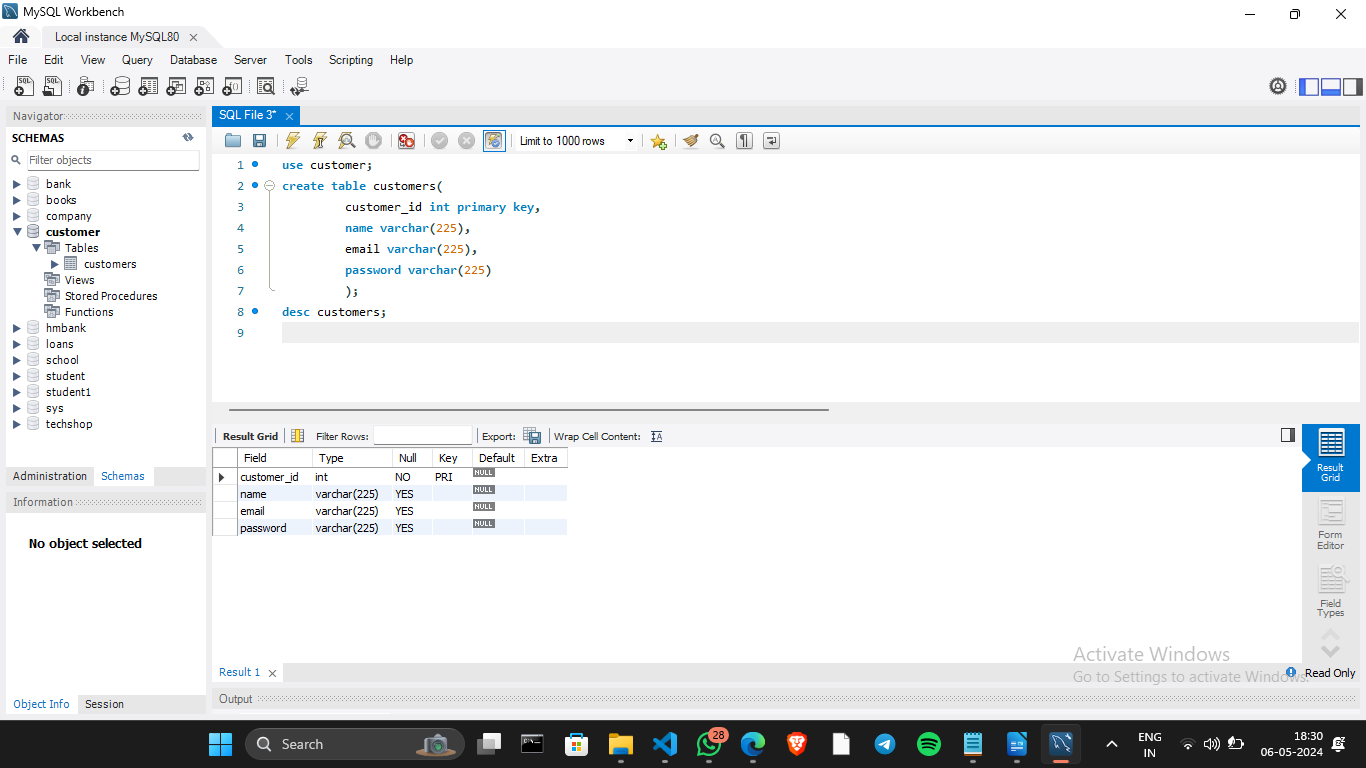
1. **create table customers(**

**customer\_id int primary key,**

**name varchar(225),**

**email varchar(225),**

**password varchar(225));**



1. **create table products (**

**product\_id int primary key,**

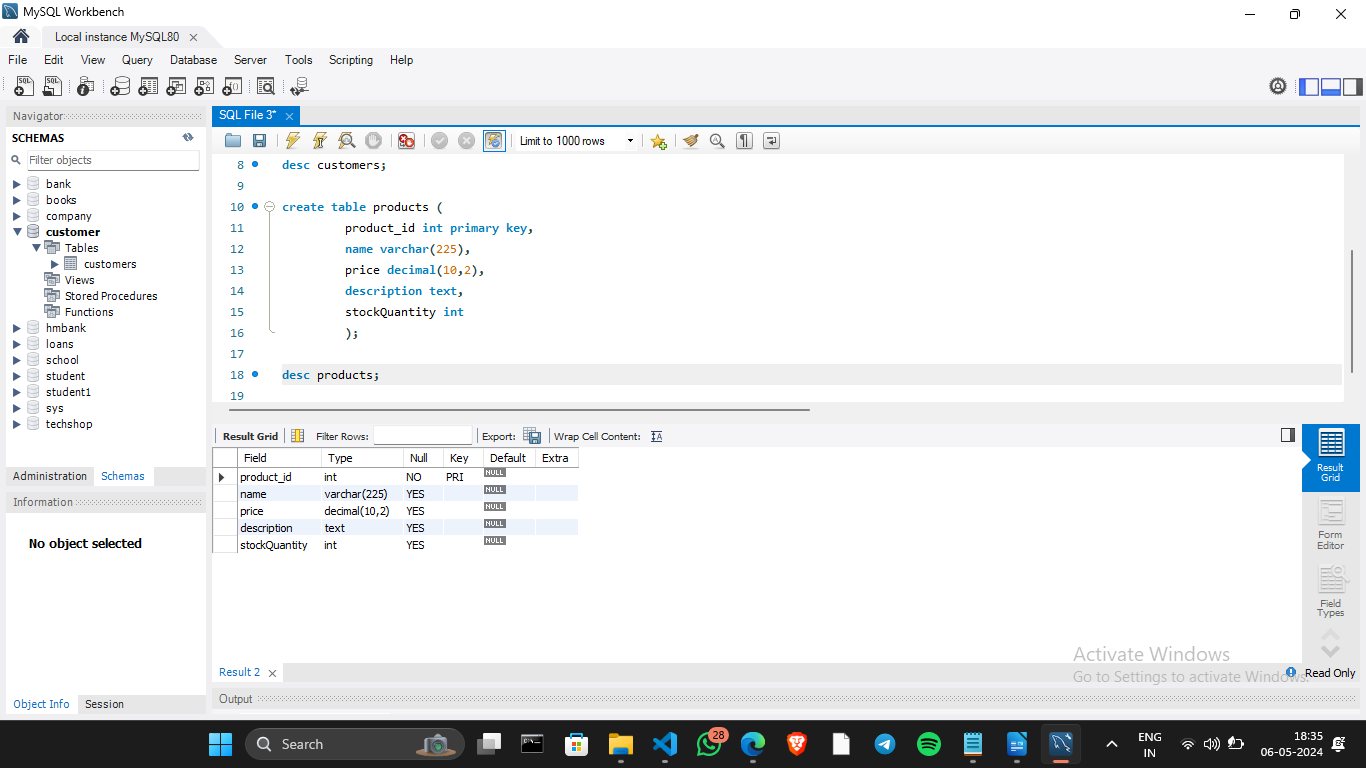
**name varchar(225),**

**price decimal(10,2),**

**description text,**

**stockQuantity int**

**);**



**3. create table cart(**

**cart\_id int primary key,**

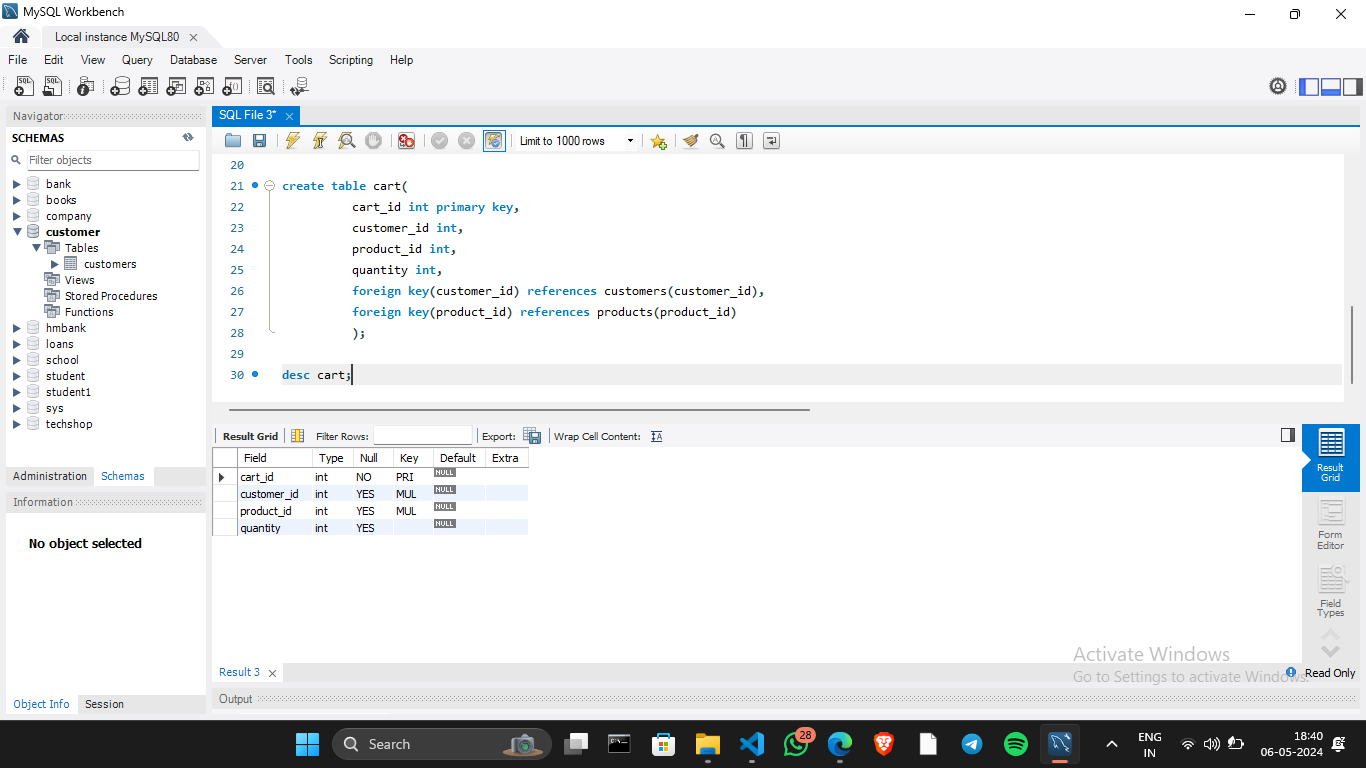
**customer\_id int,**

**product\_id int,**

**quantity int,**

**foreign key(customer\_id) references customers(customer\_id),**

**foreign key(product\_id) references products(product\_id) );**



**4. create table orders(**

**order\_id int primary key,**

**customer\_id int,**

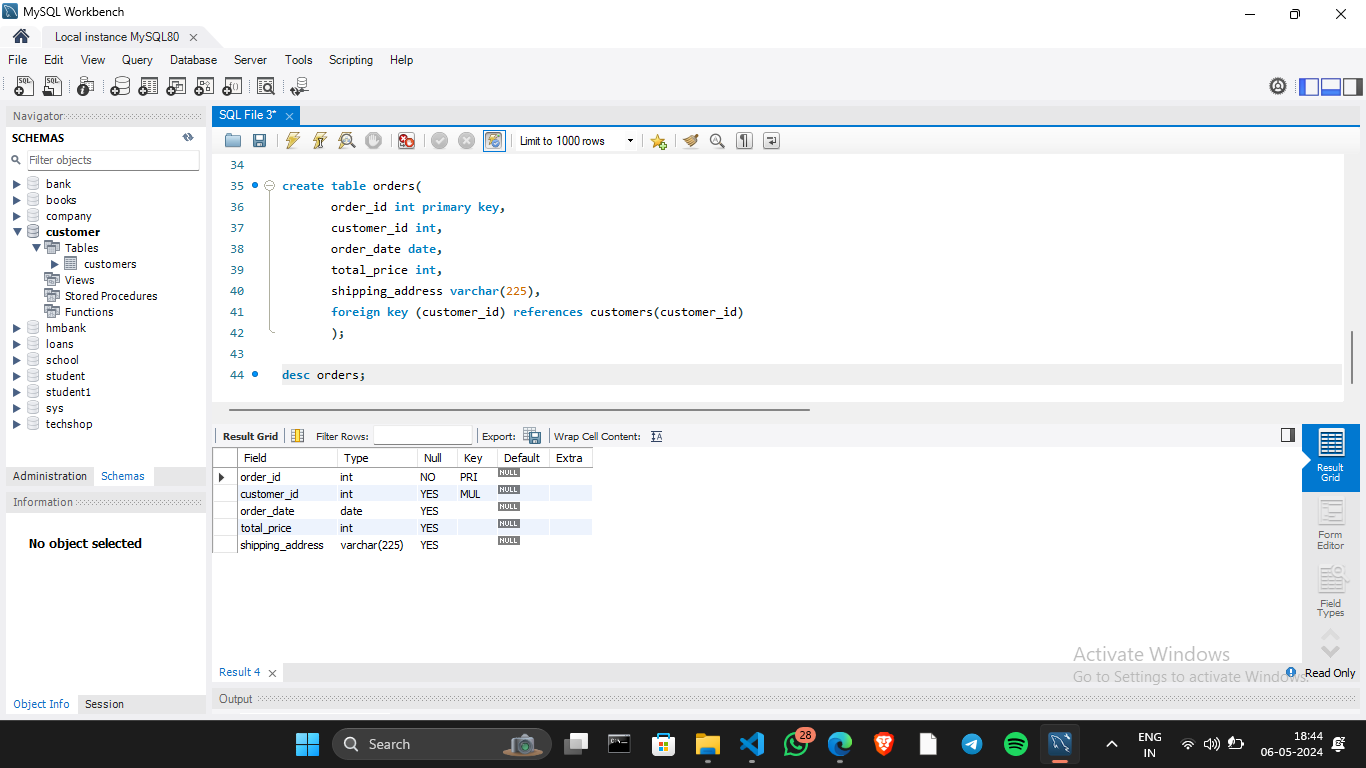
**order\_date date,**

**total\_price int,**

**shipping\_address varchar(225),**

**foreign key (customer\_id) references customers(customer\_id)**

**);**



**5. create table order\_items(**

**order\_items\_id int primary key,**

**order\_id int,**

**product\_id int,**

**quantity int,**

**foreign key(order\_id) references orders(order\_id),**

**foreign key ( product\_id) references products(product\_id)**

**);**

