create database ShopOne;

use ShopOne;

create table proucts1(

ProductID varchar(4)Primary key check(ProductID like 'P[0-9][0-9][0-9]'),

ProductName varchar(50)not null,

Manufracture varchar(50),

Origin varchar(50)check(Origin in('Local','Foreign')),

price money check(price>=0),

QuantityInHand int check(QuantityInHand>=0)

);

insert into proucts1(ProductID,ProductName,Manufracture,Origin,price,QuantityInHand)

values('P001','Mobile','Samsung','Local',20000,2);

insert into proucts1(ProductID,ProductName,Manufracture,Origin,price,QuantityInHand)

values('P002','Laptop','HP','Foreign',50000,5);

insert into proucts1(ProductID,ProductName,Manufracture,Origin,price,QuantityInHand)

values('P003','Computer','Dell','Local',60000,3);

create table Customers1(

CustomerID varchar(4)primary key check(CustomerID like 'C[0-9][0-9][0-9]'),

First\_Name varchar(50)not null,

Last\_Name varchar(50)not null,

City varchar(50) default 'Dhaka',

Total\_Sell\_Quantity int check(Total\_Sell\_Quantity>=0)

);

insert into Customers1(CustomerID,First\_Name,Last\_Name,Total\_Sell\_Quantity)

values('C001','Nuronnobi','Islam',2);

insert into Customers1(CustomerID,First\_Name,Last\_Name,Total\_Sell\_Quantity)

values('C002','Nishat','Mahmud',3);

insert into Customers1(CustomerID,First\_Name,Last\_Name,Total\_Sell\_Quantity)

values('C003','Nayem','Khan',1);

Create table Tranjections1(

Tranjection\_Id varchar(4)primary key check(Tranjection\_Id like 'T[0-9][0-9][0-9]'),

Transaction\_Date date default getdate(),

Customer\_ID varchar(4)references Customers1(CustomerID),

Product\_ID varchar(4) references proucts1(ProductID),

Quantity\_Sould int check(Quantity\_Sould>0)

);

create procedure Insert\_Into\_Tranjection

@Tranjection\_Id varchar(4),@Customer\_ID varchar(4),@ProductID varchar(4),@Quantity\_Sould int

as

begin

declare @QuantityInHand int;

declare @price money;

declare @paidAmount money;

declare @amount varchar(20);

select @QuantityInHand=QuantityInHand from proucts1

select @price=price from proucts1 where @ProductID=ProductID

if @Quantity\_Sould<=@QuantityInHand

begin

insert into

Tranjections1(Tranjection\_Id,Customer\_ID,Product\_ID,Quantity\_Sould)

values (@Tranjection\_Id,@Customer\_ID,@ProductID,@Quantity\_Sould)

set @paidAmount=(@Quantity\_Sould\*@price)

set @amount=@paidAmount;

print ('Paided amount: ')+@amount

end

else

print('Item is not available')

end

execute Insert\_Into\_Tranjection 'T001','C001','P001',1;

select \* from proucts1;

select \* from Customers1;

select \* from Tranjections1;

create trigger Update\_Table on Tranjections1 for insert

as

begin

declare @Quantity\_Sould int

declare @Customer\_ID char(4)

declare @Product\_ID char(4)

select @Quantity\_Sould=Quantity\_Sould, @Customer\_ID =Customer\_ID

,@Product\_ID=Product\_ID from inserted

update proucts1

set QuantityInHand=QuantityInHand-@Quantity\_Sould where ProductID=@Product\_ID

update Customers1

set Total\_Sell\_Quantity=Total\_Sell\_Quantity+@Quantity\_Sould where CustomerID =@Customer\_ID

end