

## E-commerce

```
--drop table product;  
--drop table warehouse;  
--drop table warehouse_stock;  
--drop table wholesaler;  
--drop table wholesaler_stock;  
--drop table retailer;  
--drop table retailer_stock;
```

```
--drop database productdb;
```

```
create table product (  
id int primary key,  
preference varchar(10) not null,  
pname varchar(20) not null,  
price int not null,  
gst decimal not null,  
description varchar(30) not null,  
createddate date not null,  
modifieddate date,  
createdby varchar(15) not null,  
modifiedby varchar(15)  
)
```

```
create table warehouse(  
id int primary key,  
wreference varchar(10) not null,  
wlocation varchar(15) not null  
)
```

```
create table warehouse_stock(  
id int primary key,  
warehouse_id int,  
product_id int,  
stock int,  
constraint warehouse_id_fk foreign key (warehouse_id) references  
warehouse(id),  
constraint product_id_fk foreign key (product_id) references products(id)  
)
```

```
create table wholesaler(  
id int primary key,  
wreference varchar(10) not null,
```

wname **varchar**(20) **not null**  
)

**create table** wholesaler\_stock(  
id **int primary key**,  
wholesaler\_id **int**,  
warehouse\_id **int**,  
product\_id **int**,  
price **int**,  
stock **int**,  
**constraint** wholesaler\_id\_fk **foreign key** (wholesaler\_id) **references**  
wholesaler(id),  
**constraint** warehouse\_id\_fk **foreign key** (warehouse\_id) **references**  
warehouse(id),  
**constraint** product\_id\_fk **foreign key** (product\_id) **references** products(id)  
)

**create table** retailer(  
id **int primary key**,  
rreference **varchar**(10) **not null**,  
rname **varchar**(20) **not null**  
)

**create table** retailer\_stock(  
id **int primary key**,  
retailer\_id **int**,  
wholesaler\_id **int**,  
product\_id **int**,  
price **int**,  
stock **int**,  
**constraint** retailer\_id\_fk **foreign key** (retailer\_id) **references** retailer(id),  
**constraint** wholesaler\_id\_fk **foreign key** (wholesaler\_id) **references**  
wholesaler(id),  
**constraint** product\_id\_fk **foreign key** (product\_id) **references** product(id)  
)

**insert into**  
product(id,preference,pname,price,gst,description,createddate,modifieddate,createdby,modifiedby)  
**values** (1,'P01','Samsung f13',14000,18.0,'Samsung  
mobiles','2021-07-01','2022-01-13','Suthir','Arun'),  
(2,'P02','Macbook pro',140000,20.0,'Apple  
laptops','2020-07-11','2021-11-20','Tharun','Hari'),  
(3,'P03','Iphone 14',74000,18.0,'Apple  
mobiles','2022-11-21','2023-01-11','Kalai','Mani');

```
insert into warehouse (id,wreference,wlocation)
values (1,'Ware1','Coimbatore'),
(2,'Ware2','Salem'),
(3,'Ware3','Karur');
```

```
insert into warehouse_stock (id,warehouse_id,product_id,stock)
values (1,1,1,25),
(2,1,2,30),
(3,1,3,32);
```

```
insert into warehouse_stock (id,warehouse_id,product_id,stock)
values (4,2,1,25),
(5,2,2,30),
(6,3,1,32);
```

```
select * from warehouse_stock;
```