Tables:

create database CoffeeShop;

create table CoffeeShop.customer

( cid int AUTO\_INCREMENT,

username varchar(20) not null,

pw varchar(10) not null,

fname varchar(20) not null,

lname varchar(20) not null,

dob date not null,

phone varchar(10) not null,

bankaccno varchar(16),

primary key (cid));

create table coffeeshop.catg(

cid int AUTO\_INCREMENT,

cname varchar(20)not null,

subc varchar(20) not null,

primary key(cid));

create table coffeeshop.Size (

id int AUTO\_INCREMENT,

size varchar(10) not null,

oz varchar(2) not null,

primary key(id))

create table coffeeshop.product (

pid int AUTO\_INCREMENT,

pname varchar(20) not null,

isAvailble bit not null,

discription varchar(50),

img LONGBLOB not null,

catid int not null,

primary key(pid),

FOREIGN key (catid) REFERENCES coffeeshop.catg(cid) on DELETE set null on update CASCADE)

create table coffeeshop.ProductSize

(

pid int,

sid int,

price decimal(5,2),

primary key(pid,sid),

FOREIGN key (pid) REFERENCES coffeeshop.product (pid) on DELETE CASCADE on update CASCADE,

FOREIGN key (sid) REFERENCES coffeeshop.Size (id) on DELETE CASCADE on update CASCADE);

create table coffeeshop.orders(

orderno int AUTO\_INCREMENT,

cid int,

total decimal(7,2),

odate date,

primary key (orderno),

FOREIGN key (cid) REFERENCES CoffeeShop.customer(cid) on DELETE set null on update CASCADE);

* Could be deleted:

create table coffeeshop.cart(

cartid int AUTO\_INCREMENT,

cid int not null,

pid int not null,

size int not null,

quantity int,

PRIMARY KEY (cartid),

FOREIGN key (cid) REFERENCES CoffeeShop.customer(cid) on DELETE CASCADE on update CASCADE,

FOREIGN KEY (pid) REFERENCES coffeeshop.product(pid) on DELETE CASCADE on update CASCADE,

FOREIGN key (size) REFERENCES coffeeshop.ProductSize(sid) on DELETE CASCADE on update CASCADE)

create table coffeeshop.orderItem(

id int AUTO\_INCREMENT,

orderno int,

pid int not null,

size int not null,

quantity int,

PRIMARY KEY (id),

FOREIGN key (orderno) REFERENCES coffeeshop.orders(orderno) on DELETE CASCADE on update CASCADE,

FOREIGN KEY (pid) REFERENCES coffeeshop.product(pid) on DELETE set null on update CASCADE,

FOREIGN key (size) REFERENCES coffeeshop.ProductSize(sid) on DELETE set null on update CASCADE)

create table coffeeShop.branch (

bchid int not null AUTO\_INCREMENT,

address varchar(30) not null,

phone varchar(10) not null,

mng varchar(11),

primary key(bchid));

create table coffeeshop.employee(

ssn varchar(11) not null,

fname varchar(10) not null,

lname varchar(10) not null,

dob date not null,

address varchar(30) not null,

phone varchar(10) not null,

salary decimal(7,2) not null,

bchid int,

primary key(ssn),

FOREIGN key(bchid) REFERENCES coffeeShop.branch(bchid) on DELETE set null on update CASCADE);

alter table coffeeShop.branch

add constraint FK\_branch\_REFERENCE\_employee foreign key (mng)

references coffeeshop.employee (ssn) on DELETE set null on update CASCADE;

alter table coffeeshop.orders

add COLUMN bchid int;

alter table coffeeshop.orders

add constraint FK\_orders\_REFERENCE\_brache foreign key (bchid)

references coffeeShop.branch (bchid) on DELETE set null on update CASCADE;

Triggers:

CREATE TRIGGER manger\_branch AFTER INSERT ON coffeeShop.branch

FOR EACH ROW

update coffeeshop.employee

set coffeeshop.employee.bchid = NEW.bchid

where coffeeshop.employee.ssn = NEW.mng

insert into coffeeshop.employee(ssn,fname,lname,dob,address,phone,salary) values("111-22-3333","Sara","Alfayez","1988-06-26","2545 Webester Avn","12345678901",10000.00);

insert into branch values (1,"shekfhuk","29-094","111-22-3333");

Views:

create view best\_seler

as

select p.pname,o.pid, count(o.pid)

from product p, orderItem o

where o.pid=p.pid

group by o.pid

having count(o.pid) >= all (select count(\*)

from orderItem o2

group by o2.pid)

create view selers

as

select p.pname,o.pid, count(o.pid)

from product p, orderItem o

where o.pid=p.pid

group by o.pid;

create view num\_empolyee\_branch

AS

select e.bchid, b.address, count(e.fname)

from branch b, employee e

group by e.bchid;

create VIEW mng\_branch

AS

select b.bchid, b.address, e.fname

from branch b,employee e

where b.mng=e.ssn;

create view total\_Profits

AS

select sum(total)

from orders

create view branch\_Profits

AS

select bchid,sum(total)

from orders

group by bchid

create view Pr\_si\_Pri

AS

select p.pname, s.size , ps.price

from product p,Size s, ProductSize ps

where s.id=ps.sid and p.pid=ps.pid

create view quntity\_price

AS

select oi.orderno as orderno, ps.price \* oi.quantity as prqn

from ProductSize ps, orderItem oi

where ps.pid= oi.pid and ps.sid=oi.size

* After clicking on “Place an Order” and adding a raw in Orders table:

update coffeeShop.orders

set coffeeShop.orders.total= (select sum(qp.prqn)

from quntity\_price qp

where qp.orderno= coffeeShop.orders.orderno)