***Part 1:***

create database homework3;

use homework3;

create table customer(

cus\_code int,

cus\_lname varchar(20),

cus\_fname varchar(20),

cus\_initial char,

cus\_areacode int,

cus\_phone int,

primary key(cus\_code));

create table invoice(

inv\_number int,

cus\_code int,

inv\_date datetime,

primary key(inv\_number),

foreign key(cus\_code) references customer(cus\_code));

create table vendor(

vend\_code int,

vend\_name varchar(30),

vend\_contact varchar(30),

vend\_areacode int,

vend\_phone int,

primary key(vend\_code));

create table product(

prod\_code int,

prod\_desc varchar(50),

prod\_price int,

prod\_quant int,

vend\_code int,

primary key(prod\_code),

foreign key(vend\_code) references vendor(vend\_code));

create table line(

inv\_number int,

prod\_code int,

line\_units int,

primary key(inv\_number, prod\_code),

foreign key(inv\_number) references invoice(inv\_number),

foreign key(prod\_code) references product(prod\_code));

***Part 2:***

insert into customer values (10010, "Ramas", "Alfred", 'A', 615, 8442573);

insert into customer values (10011, "Dunne", "Leona", 'K', 713, 8941238);

insert into customer values (10012, "Smith", "Kathy", 'W', 615, 8942285);

insert into customer values (10013, "Olowski", "Paul", 'F', 615, 2221672);

insert into customer values (10014, "Orlando", "Myron", NULL, 615, 2971228);

insert into invoice values (1001, 10011, '2008-08-03');

insert into invoice values (1002, 10014, '2008-08-04');

insert into invoice values (1003, 10012, '2008-03-20');

insert into invoice values (1004, 10011, '2008-09-23');

insert into vendor values (232, "Bryson", "Smith", 615, 2233234);

insert into vendor values (235, "SuperLoo", "Anderson", 615, 2158995);

insert into product values (12321, "hammer", 189 ,20, 232);

insert into product values (65781, "chain", 12, 45, 235);

insert into product values (34256, "tape", 35, 60, 235);

insert into product values (12333, "hanger", 200 ,10, 232);

insert into line values (1001, 12321, 1);

insert into line values (1001, 65781, 3);

insert into line values (1002, 34256, 6);

insert into line values (1003, 12321, 5);

insert into line values (1002, 12333, 6);