create database book\_dealer;

use book\_dealer;

create table author(author\_id int,name varchar(15),city varchar(15),country varchar(15),primary key(author\_id));

create table publisher(publisher\_id int,name varchar(15),city varchar(15),country varchar(15),primary key(publisher\_id));

create table category(category\_id int,description varchar(15),primary key(category\_id));

create table catalog(book\_id int,title varchar(15),author\_id int,publisher\_id int,category\_id int,year int,price int,primary key(book\_id),

foreign key(author\_id)references author(author\_id) on delete cascade,

foreign key(publisher\_id)references publisher(publisher\_id) on delete cascade,

foreign key(category\_id)references category(category\_id) on delete cascade);

create table order\_details(order\_no int,book\_id int,quantity int,primary key(order\_no),

foreign key(book\_id)references catalog(book\_id) on delete cascade);

insert into author values('1001','TERAS CHAIN','CA','USA');

insert into author values('1002','STEVENS','ZOMBI','UGANDA');

insert into author values('1003','M MANO','CAIR','CANADA');

insert into author values('1004','KARTHIK B.P.','NEW YORK','USA');

insert into author values('1005','WILLIAM','LAS VEGAS','USA');

commit;

select\*from author;

insert into publisher values('101','PEARSON','NEW YORK','USA');

insert into publisher values('102','EEE','NEW SOUTHVALES','USA');

insert into publisher values('103','PHI','DELHI','INDIA');

insert into publisher values('104','WILLEY','BERLIN','GERMANY');

insert into publisher values('105','MGH','NEW YORK','USA');

commit;

select\*from publisher;

insert into category values('1011','CSE');

insert into category values('1022','ADA');

insert into category values('1033','ELECTRONICS');

insert into category values('1044','PROGRAMMING');

insert into category values('1055','OS');

commit;

select\*from category;

insert into catalog values('11','UNIX SYSTEM','1001','101','1011','1998','235');

insert into catalog values('12','DIG ANALYSIS','1001','102','1033','1997','255');

insert into catalog values('13','LOGIC DESIGN','1002','103','1022','2001','352');

insert into catalog values('14','SERVER','1002','103','1011','2002','523');

insert into catalog values('15','LINUX OS','1003','104','1044','2003','124');

commit;

select\*from catalog;

insert into order\_details values('1','11','12');

insert into order\_details values('1','12','2');

insert into order\_details values('2','12','15');

insert into order\_details values('3','13','22');

insert into order\_details values('4','13','14');

insert into order\_details values('5','15','7');

commit;

select\*from order\_details;

select a.author\_id,a.name,a.city,a.country,c.price,year from author a join catalog c on a.author\_id=c.author\_id where c.year>=2000 group by a.author\_id having count(c.author\_id)>=2 ;

select name from author a where a.author\_id=(

select c.author\_id from catalog c where book\_id=(select book\_id from order\_details od where quantity=(select max(quantity) from order\_details having max(quantity)))) ;

update catalog set price=1.1\*price where publisher\_id=(select publisher\_id from publisher where name='PEARSON');

select\*from catalog;

