Lab program-06(Order-processing datadbase)

Customer table:

create table customer(

cust\_no int not null,

cname varchar(30),

city varchar(20),

primary key(cust\_no));

Order table:

create table order1(

order\_no int not null,

odate date,

cust\_no int,

ard\_amt real,

primary key(order\_no),

foreign key(cust\_no) references customer(cust\_no));

Item table:

create table item(

item\_no int not null,

unit\_price real,

primary key(item\_no));

Order-item table:

create table orderitem(

order\_no int not null,

item\_no int not null,

qty int,

primary key(order\_no,item\_no),

foreign key(order\_no) references order1(order\_no),

foreign key(item\_no) references item(item\_no));

Warehouse table:

create table warehouse(

warehouse\_no int not null,

city varchar(20),

primary key(warehouse\_no));

Shipment table:

create table shipment(

order\_no int not null,

warehouse\_no int not null,

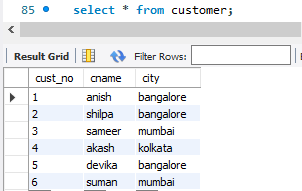
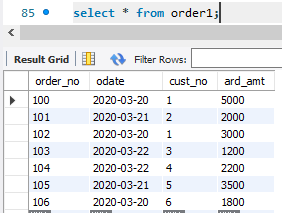
ship\_date date,

primary key(order\_no,warehouse\_no),

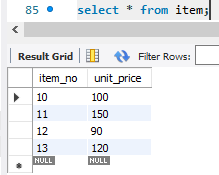
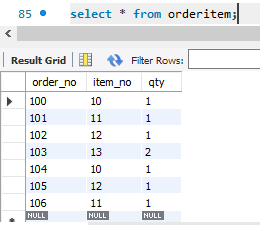
foreign key(order\_no) references order1(order\_no),

foreign key(warehouse\_no) references warehouse(warehouse\_no));

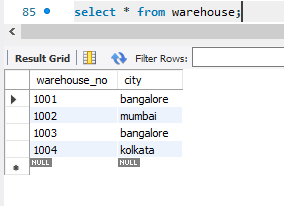
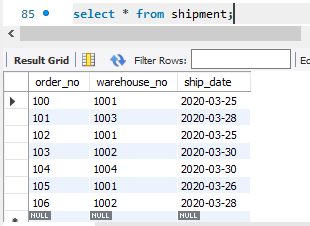
Customer Order

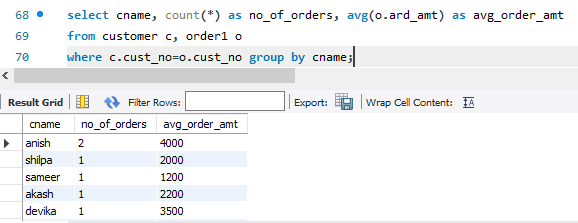
Item Order-item

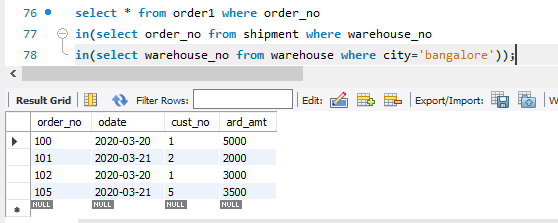
Warehouse: Shipment:

Query-1:



Query-2:



Lab program-07(Book dealer database)

Author table:

create table author(

author\_id int not null,

aname varchar(30),

city varchar(20),

country varchar(20),

primary key(author\_id));

Publisher table:

create table publisher(

pub\_id int not null,

pname varchar(30),

city varchar(20),

country varchar(20),

primary key(pub\_id));

Category table:

create table category(

category\_id int not null,

descriptionn varchar(30),

primary key(category\_id));

Catalog table:

create table catalog(

book\_id int not null,

title varchar(30),

author\_id int not null,

pub\_id int not null,

category\_id int not null,

year int,

price real,

primary key(book\_id),

foreign key(author\_id) references author(author\_id),

foreign key(pub\_id) references publisher(pub\_id),

foreign key(category\_id) references category(category\_id));

Order-details table:

create table order\_details1(

order\_no int not null,

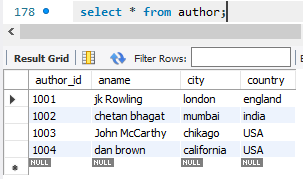
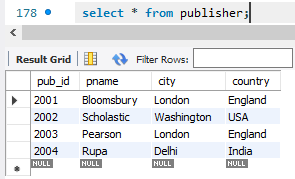
book\_id int ,

quantity int,

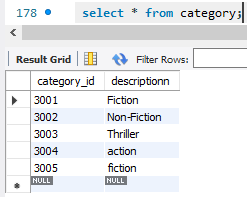
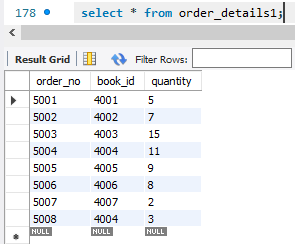
primary key(order\_no),

foreign key(book\_id) references catalog(book\_id));

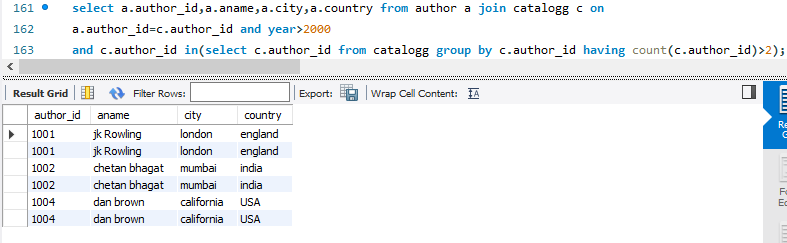
Author table: Publisher table:

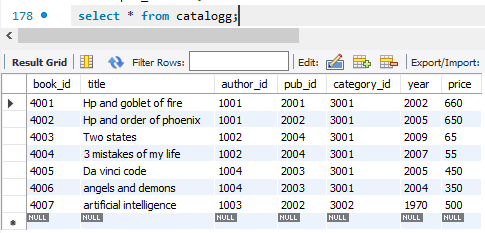
Category table: Order table:

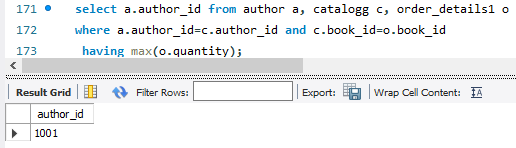
Query-1:



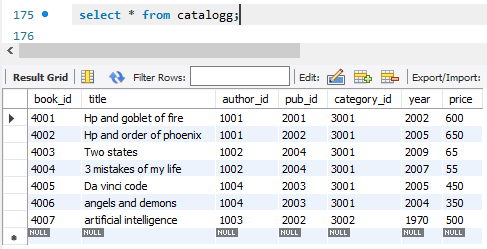
Catalogue table:

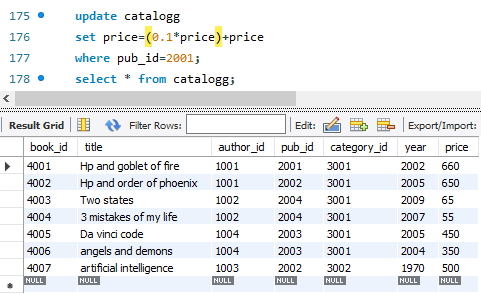
:

Query-2:



Query-3:





Lab program-08(Student\_Enrollment database)

Student table:

create table student1(

reg\_no varchar(10) not null,

sname varchar(30),

major varchar(10),

bdate date,

primary key(reg\_no));

Course table:

Create table course(

Course\_no int not null,

Cname varchar(30),

Dept varchar(10),

Primary key(course\_no));

Enroll table:

Create table enroll(

Reg\_no varchar(10) not null,

Course\_no int not null,

Sem int,

Marks int,

Primary key(reg\_no,course\_no),

Foreign key(course\_no) references course(course\_no));

Text table:

Create table text(

Book\_ISBN int not null,

Book\_title varchar(30),

Publisher varchar(30),

Author varchar(30),

Primary key(book\_ISBN));

Book\_Adoption table:

Create table book\_adoption(

Course\_no int not null,

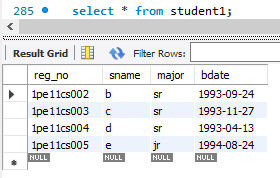
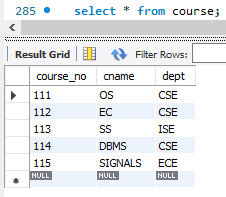
Sem int,

Book\_ISBN int not null,

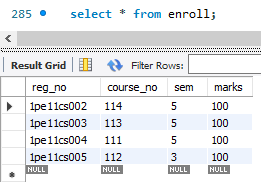
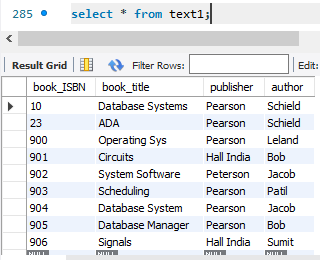
Primary key(course\_no,book\_ISBN),

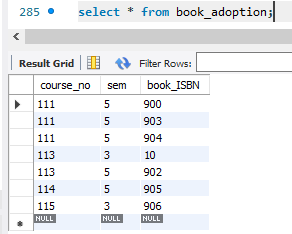
Foreign key(course\_no) references course(course\_no),

Foreign key(book\_ISBN) refrerences text(book\_ISBN));

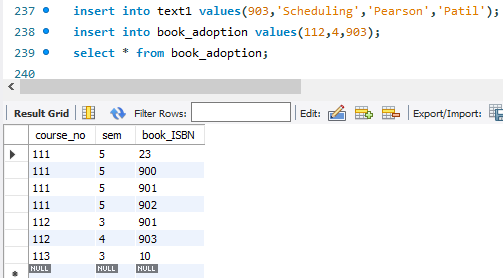
Student table: Course table: 

Enroll table: Text table:

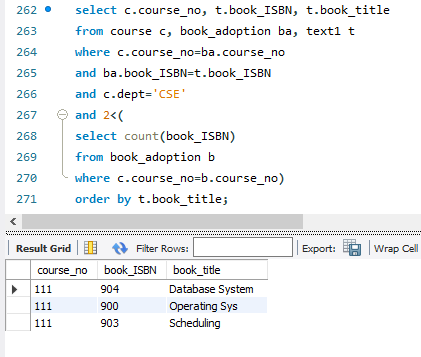
 

Book\_adoption table:

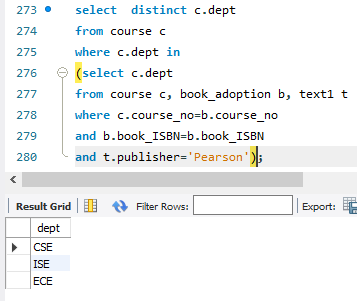
Query-1:



Query-2:



Query-3:



Lab program-09(Airline flight database)

Flight table:

Create table flight(

flno int not null,

f\_from varchar(20),

f\_to varchar(20),

distance int,

departs time,

arrives time,

price int,

primary key(flno));

Aircraft table:

Create table aircraft(

aid int not null,

aname varchar(30),

cruisinrange int,

primary key(aid));

Certified table:

Create table cerified(

eid int not null,

aid int not null,

primary key(eid,aid),

foreign key(eid) refrences employee(eid),

foreign key(aid) refrences aircraft(aid));

Employee table:

Create table employee(

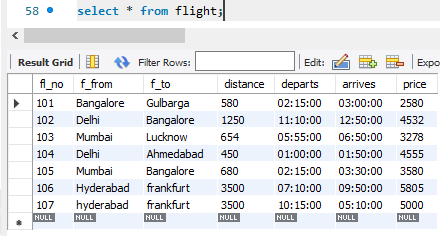
eid int not null,

ename varchar(30),

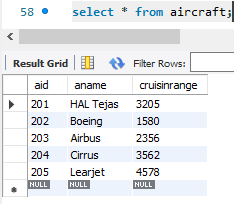
salary int,

primary key(eid));

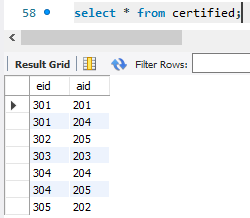
Flight table:



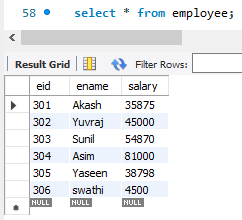
Aircraft table:



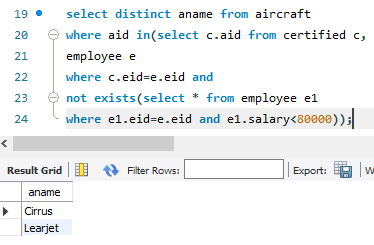
Certified table:



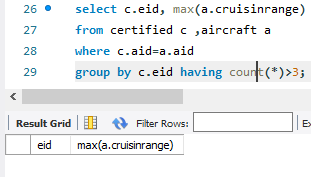
Employee table:



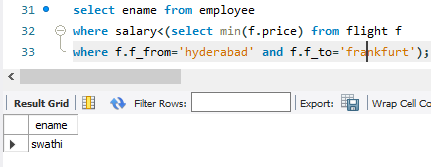
Query-1:



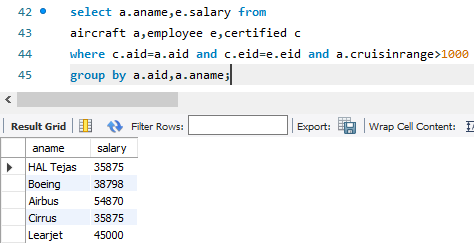
Query-2:



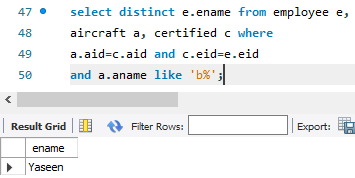
Query-3:



Query-4:



Query-5:



Lab program-10(college database)

Student table:

create table student(

usn varchar(10) not null,

sname varchar(30),

address varchar(30),

phone int,

gender varchar(5),

primary key(usn));

Semsec table:

create table semsec(

ssid varchar(10),

sem int,

sec varchar(5),

primary key(ssid));

Class table:

create table class(

usn varchar(10),

ssid varchar(10),

primary key(usn,ssid),

foreign key(usn) references student(usn),

foreign key(ssid) references semsec(ssid));

Subject table:

create table subject(

subcode varchar(10),

title varchar(20),

sem int,

credits int,

primary key(subcode));

IA\_marks table:

create table IA\_marks1(

usn varchar(10),

subcode varchar(10),

ssid varchar(10),

test\_1 int,

test\_2 int,

test\_3 int,

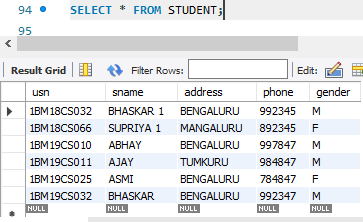
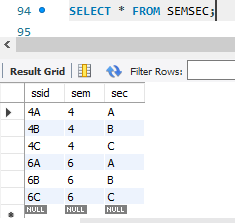
final\_IA int,

foreign key(usn) references student(usn),

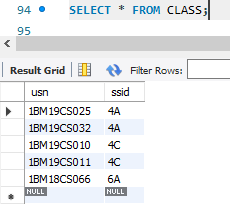
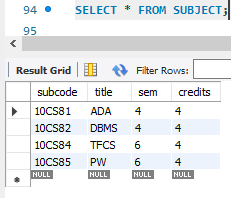
foreign key(ssid) references semsec(ssid),

foreign key(subcode) references subject(subcode));

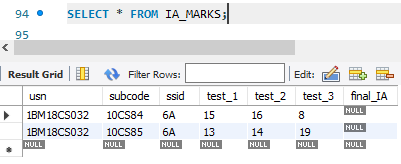
Student table: Semsec table:

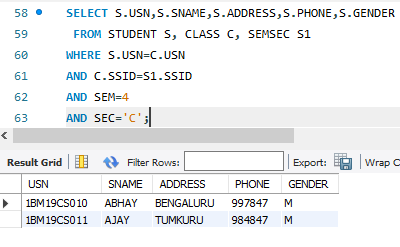
Class table: Subject table:

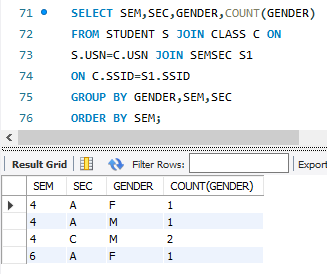
IA\_Marks table:



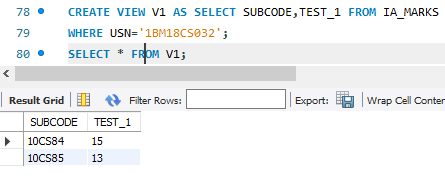
Query-1:



Query-2:



Query-3:



Query-4:

