create database 1BM21CS185CS\_airlines;

use 1BM21CS185CS\_airlines;

create table flights\_1bm21cs185(

flno int primary key,

\_from varchar(40),

to\_ varchar(40),

distance int,

departs time,

arrives time,

price int);

create table aircraft\_1bm21cs185(

aid int primary key,

aname varchar(40),

cruising\_range int

);

create table employees\_1bm21cs185(

eid int primary key,

ename varchar(40),

salary int

);

create table certified\_1bm21cs185(

eid int,

aid int,

primary key(eid,aid),

foreign key(eid) references employees\_1bm21cs185(eid) ,

foreign key(aid) references aircraft\_1bm21cs185(aid)

);

insert into flights\_1bm21cs185

values(1,'Bengaluru','New Delhi',500,'6:00','9:00',5000),

(2,'Bengaluru','Chennai',300,'7:00','8:30',3000),

(3,'Trivandrum','New Delhi',800,'8:00','11:30',6000),

(4,'Bengaluru','Frankfurt',10000,'6:00','23:30',50000),

(5,'Kolkata','New Delhi',2400,'11:00','3:30',9000),

(6,'Bengaluru','Frankfurt',8000,'9:00','23:00',40000);

select \* from flights\_1bm21cs185;

insert into aircraft\_1bm21cs185

values(1,'Airbus',2000),

(2,'Boeing',700),

(3,'JetAirways',550),

(4,'Indigo',5000),

(5,'Boeing',4500),

(6,'Airbus',2200);

select \* from aircraft\_1bm21cs185;

insert into employees\_1bm21cs185

values(101,'Samrith',50000),

(102,'Mrudhula',60000),

(103,'Ajith',70000),

(104,'Nikitha',82000),

(105,'Sanjay',5000);

select \* from employees\_1bm21cs185;

insert into certified\_1bm21cs185

values(101,2),

(101,4),

(101,5),

(101,6),

(102,1),

(102,3),

(102,5),

(103,2),

(103,3),

(103,5),

(103,6),

(104,6),

(104,1),

(104,3),

(105,3);

select \* from certified\_1bm21cs185;

#q

select a.aname

from aircraft\_1bm21cs185 a

where exists(select c.eid

from certified\_1bm21cs185 c,employees\_1bm21cs185 e

where c.aid=a.aid and c.eid=e.eid and e.salary >80000);

select c.eid, max(a.cruising\_range)

from aircraft\_1bm21cs185 a,certified\_1bm21cs185 c

where a.aid = c.aid

group by c.eid

having count(c.aid) >= 3;

select ename

from employees\_1bm21cs185

where salary < (select min(price)

from flights\_1bm21cs185

where \_from = "Bengaluru" and to\_ = "Frankfurt"

group by \_from, to\_);

select a.aid,a.aname,avg(e.salary)

from aircraft\_1bm21cs185 a,employees\_1bm21cs185 e,certified\_1bm21cs185 c

where a.aid=c.aid and c.eid=e.eid and a.cruising\_range>1000

group by a.aid;

select distinct e.ename

from aircraft\_1bm21cs185 a,employees\_1bm21cs185 e,certified\_1bm21cs185 c

where a.aid=c.aid and c.eid=e.eid and a.aname="Boeing";

select aid

from aircraft\_1bm21cs185

where cruising\_range >= (select distance

from flights\_1bm21cs185

where \_from = "Bengaluru" and to\_ = "New Delhi");

