create table doctor(dssn varchar(10) primary key,dname varchar(15),speciality varchar(15),Experience int(3));

create table patient(pssn varchar(10) primary key, pname varchar(10),paddress varchar(20),age int(3));

create table pharma\_co(pcname varchar(15) primary key,pcaddr varchar(10),pcphone bigint(10));

create table drug(tradename varchar(20) primary key,formula varchar(12),pcname varchar(15),foreign key(pcname) references pharma\_co(pcname));

create table pharmacy(phname varchar(15) primary key,phaddr varchar(13),phphone bigint(10));

create table sell(phname varchar(15),tradename varchar(20),price int(4),foreign key(phname) references pharmacy(phname),foreign key(tradename) references drug(tradename),primary key(phname,tradename));

create table checks(dssn varchar(10),pssn varchar(10),foreign key(dssn) references doctor(dssn),foreign key(pssn) references patient(pssn),primary key(dssn,pssn));

create table prescribe(dssn varchar(10),pssn varchar(10),tradename varchar(20),

date date,quantity int(3),

foreign key(dssn) references doctor(dssn),

foreign key(pssn) references patient(pssn),

foreign key(tradename) references drug(tradename),

primary key(dssn,pssn,tradename));

create table contract(pcname varchar(15),phname varchar(15),sdate date,ldate date,supervisor varchar(15),text varchar(15),foreign key(pcname) references pharma\_co(pcname),

foreign key(phname) references pharmacy(phname),primary key(pcname,phname));

insert(doctor)

insert into doctor values('dr01','Ramesh','opthalmologist',5);

insert into doctor values('dr02','Rajesh','neurologist',7);

insert into doctor values('dr03','Manoj','pediatrician',4);

insert into doctor values('dr04','Anshuman','dermatologist',3);

insert into doctor values('dr05','Monisha','cardiologist',3);

insert into doctor values('dr06','ketaki','dentist',5);

insert(patient)

insert into patient values('pa01','Radha','Dharwad',20);

insert into patient values('pa02','Krishna','Hubli',20);

insert into patient values('pa03','Peter','Mysore',22);

insert into patient values('pa04','Rahim','Kalburgi',30);

insert into patient values('pa05','Rachel','Delhi',32);

insert(pharma\_co)

insert into pharma\_co values('Cipla','mumbai',9874561230);

insert into pharma\_co values('Juggat Pharma','bangalore',8123456789);

insert into pharma\_co values('Sun Pharma','Delhi',7123456789);

insert into pharma\_co values('Reddys lab','Hyderabad',6123456789);

insert into pharma\_co values('Eli Lilly','Chennai',7323456789);

insert(drug)

insert into drug values('dolo650','formula1','Cipla');

insert into drug values('Lantus','formula2','Cipla');

insert into drug values('Tusq','formula2','Cipla');

insert into drug values('Xanax','formula2','Cipla');

insert into drug values('mixtard','formula3','Cipla');

insert into drug values('janumet','formula3','Cipla');

insert into drug values('clavam','formula4','Cipla');

insert into drug values('duphaston','formula4','Cipla');

insert into drug values('thyronorm','formula5','Cipla');

insert into drug values('Augmentin','formula6','Sun Pharma');

insert into drug values('Galvus Met','formula6','Reddys lab');

insert into drug values('Glycomet','formula6','Eli Lilly');

insert into drug values('Botroclot','formula6','Juggat Pharma');

insert(pharmacy)

insert into pharmacy values('medplus','mumbai',9879874564);

insert into pharmacy values('medplus2','mumbai',9879874561);

insert into pharmacy values('medplus3','mumbai',9879874562);

insert into pharmacy values('medplus4','mumbai',9879874563);

insert into pharmacy values('medplus5','mumbai',9879874544);

insert into pharmacy values('medplus6','mumbai',9879874565);

insert into pharmacy values('medplus7','mumbai',9879874566);

insert into pharmacy values('appolo1','mumbai',9879874523);

insert into pharmacy values('appolo2','mumbai',9879874525);

insert into pharmacy values('appolo3','mumbai',9879874527);

insert into pharmacy values('appolo4','Bangalore',9879874527);

insert into pharmacy values('medlife','Bangalore',9879874527);

insert into pharmacy values('medlife2','chennai',9879874527);

insert into pharmacy values('netmeds','chennai',9879874527);

insert into pharmacy values('practo','hyderabad',9879874527);

insert into pharmacy values('pharmeasy','Delhi',9879874527);

insert(sells)

insert into sell values('appolo1','clavam',120);

insert into sell values('appolo2','clavam',140);

insert into sell values('medplus2','janumet',130);

insert into sell values('medplus3','mixtard',100);

insert into sell values('medplus4','tusq',120);

insert into sell values('medplus5','xanax',120);

insert into sell values('medplus6','xanax',140);

insert into sell values('medplus7','thyronorm',140);

insert into sell values('medplus7','xanax',160);

insert into sell values('appolo2','xanax',160);

insert into sell values('netmeds','Lantus',200);

insert into sell values('appolo1','dolo650',100);

insert into sell values('appolo2','dolo650',100);

insert into sell values('appolo3','dolo650',100);

insert into sell values('appolo4','dolo650',100);

insert into sell values('medlife','dolo650',100);

insert into sell values('medlife2','dolo650',100);

insert into sell values('medplus','dolo650',100);

insert into sell values('medplus2','dolo650',100);

insert into sell values('medplus3','dolo650',100);

insert into sell values('medplus4','dolo650',100);

insert into sell values('medplus5','dolo650',100);

insert into sell values('medplus6','dolo650',100);

insert into sell values('medplus7','dolo650',100);

insert into sell values('netmeds','dolo650',100);

insert into sell values('pharmeasy','dolo650',100);

insert into sell values('practo','dolo650',100);

insert(checks)

insert into checks values('dr01','pa01');

insert into checks values('dr01','pa02');

insert into checks values('dr01','pa03');

insert into checks values('dr01','pa04');

insert into checks values('dr01','pa05');

insert into checks values('dr02','pa02');

insert into checks values('dr03','pa03');

insert into checks values('dr04','pa04');

insert into checks values('dr05','pa05');

insert (prescribe)

insert into prescribe values('dr01','pa01','clavam','2013-01-01',2);

insert into prescribe values('dr01','pa02','dolo650','2013-01-02',5);

insert into prescribe values('dr01','pa03','Lantus','2013-01-03',3);

insert into prescribe values('dr01','pa04','duphaston','2013-01-04',7);

insert into prescribe values('dr01','pa05','Glycomet','2013-01-04',6);

insert into prescribe values('dr02','pa02','Augmentin','2014-01-04',6);

insert into prescribe values('dr03','pa03','Botroclot','2015-01-04',6);

insert into prescribe values('dr04','pa04','Tusq','2016-01-04',4);

insert into prescribe values('dr05','pa05','Xanax','2017-01-04',8);

insert (contract)

insert into contract values('Cipla','appolo1','2013-01-01','2015-01-01','sup1','text1');

insert into contract values('Eli Lilly','medlife','2013-08-01','2015-06-01','sup2','text2');

insert into contract values('Sun Pharma','medplus','2015-08-01','2017-06-01','sup3','text3');

insert into contract values('Reddys lab','netmeds','2015-07-01','2018-06-01','sup4','text4');

insert into contract values('Juggat Pharma','practo','2017-07-01','2018-06-01','sup5','text5');

select p.\* from patient p,doctor d, checks c where p.p\_ssn=c.p\_ssn and d.d\_ssn=c.d\_ssn and

p.age>=20 and d.speciality="eye"; |

| select d.\*,count(p.d\_ssn) from doctor d,prescribe p where d.d\_ssn=p.d\_ssn and

year(p.date)="2019" group by p.d\_ssn having count(p.d\_ssn)>=2; |

| select p.\* from phar\_com p, pharmacy ph, contract c where p.phcom\_name=c.phcom\_name

and ph.ph\_name=c.ph\_name and p.phcom\_adress=ph.ph\_adress and c.supervisor >=1; |

| select \* from doctor where experience in(select max(experience) from doctor); |

| select distinct d.\* from drug d,pharmacy p, sold\_by s where p.ph\_name=s.ph\_name and

s.tradename=d.trade\_name;

|

| select d.\*, count(ph\_name) from drug d group by ph\_name having count(ph\_name)=1;