-- Create Doctor table

create table doctor

(doc\_id varchar(4) primary key,

fname varchar(20),

lname varchar(20),

specialty varchar(20),

phone number(10)

);

insert into doctor values('d1','arun','patel','ortho',9675093453);

insert into doctor values('d2','tim','patil','general',9674560453);

insert into doctor values('d3','abhay','sharma','heart',9675993453);

select \* from doctor;

--------------------------------------------------------------------------------

-- Create patient table

create table patient

(pat\_id varchar(4) primary key,

fname varchar(20),

lname varchar(20),

ins\_comp varchar(20),

phone number(10)

);

insert into patient values('p1','akul','shankar','y',9148752347);

insert into patient values('p2','aman','shetty','y',9512896317);

insert into patient values('p3','ajay','shetty','n',9987321564);

insert into patient values('p4','akshay','pandit','y',9112255889);

insert into patient values('p5','adi','shankar','n',9177788821);

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-- Create Case table

create table case

(admission\_date date,

pat\_id varchar(4) references patient(pat\_id),

doc\_id varchar(4) references doctor(doc\_id),

diagnosis varchar(40),

fee FLOAT,

constraint con\_cpk primary key(admission\_date,pat\_id)

);

insert into case values('10-jun-16','p1','d1','fracture',500);

insert into case values('03-may-16','p2','d1','bone cancer',789.99);

insert into case values('17-apr-16','p2','d2','fever',345);

insert into case values('28-oct-15','p3','d2','cough',999);

insert into case values('10-jun-16','p3','d1','fracture',120);

insert into case values('1-jan-16','p3','d1','bone cramp',654);

insert into case values('11-sep-15','p3','d3','heart attack',675);

insert into case values('30-nov-15','p4','d3','heart hole',900);

insert into case values('10-nov-15','p4','d3','angioplasty',854);

insert into case values('1-jan-16','p5','d3','angiogram',789);

insert into case values('18-jan-23','p5','d3','angiogram',789);

select \* from doctor;

select \* from patient;

select \* from case;

commit;

------------------------------------------------------------------------------------------------------------

--1. Find all the patients who are treated in the first week of this month.

select concat(fname,lname) as Name from patient p inner join case c

on p.pat\_id = c.pat\_id and to\_char(admission\_date, 'w-mm-yy') = to\_char(trunc(date '2016-05-03','mm'),'w-mm-yy');

-----------------------------------------------------------------------------------------------------------------

--2. Find all the doctors who have more than 3 admissions today

select concat(fname,lname),count(c.pat\_id) as num\_of\_patient from doctor d inner join case c

on c.doc\_id= d.doc\_id

where to\_char(c.admission\_date,'dd-mm-yy') = to\_char(sysdate,'dd-mm-yy')

group by concat(fname,lname)

having count(c.pat\_id) >= 1;

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--3.Find the patient name (first,last) who got admitted today where the doctor is ‘TIM’

select concat(p.fname,p.lname) as Nme from patient p,case c,doctor d

where p.pat\_id = c.pat\_id and c.doc\_id= d.doc\_id and d.fname='tim'

and to\_char(c.admission\_date, 'dd-mm-yy') = to\_char(date '2016-04-17','dd-mm-yy') ;

---------------------------------------------------------------------------------------------------------------------------

--4. Find the Doctors whose phone numbers were not update (phone number is null)

select concat(fname,lname) as Doctor\_name from doctor

where phone is null;

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--5. Display the doctors whose specialty is same as Doctor ‘TIM’

select concat(fname,lname) as Doctor\_name from doctor

where specialty in (select specialty from doctor where fname ='tim');

-----------------------------------------------------------------------------------------

--6. Find out the number of cases monthly wise for the current year

select to\_char(admission\_date,'month-yyyy'),count(\*) from case

where to\_char(admission\_date,'yy') =15

group by to\_char(admission\_date,'month-yyyy');

-----------------------------------------------------------------------------------------------

--7. Display the doctors who don’t have any cases registered this week

select concat(fname,lname) as Doctor\_name from doctor

where doc\_id not in (select doc\_id from case where to\_char(admission\_date,'w-mm-yy') = to\_char(sysdate,'w-mm-yy') );

--------------------------------------------------------------------------------------------

--8. Display Doctor Name, Patient Name, Diagnosis for all the admissions which happened on 1st of Jan this year

select concat(d.fname,d.lname)as Doctor\_name, concat(p.fname,p.lname) as Patient\_nmae, c.diagnosis from patient p,case c,doctor d

where p.pat\_id = c.pat\_id and c.doc\_id= d.doc\_id and to\_char(admission\_date,'dd-mm-yy') = to\_char(trunc(sysdate,'yy'),'dd-mm-yy');

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--9. Display Doctor Name, patient count based on the cases registered in the hospital.

select concat(d.fname,d.lname)as Doctor\_name,count(c.pat\_id) as no\_of\_patients from case c,doctor d

where c.doc\_id= d.doc\_id

group by concat(d.fname,d.lname);

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--10. Display the Patient\_name, phone, insurance company, insurance code (first 3 characters of insurance company)

select fname || ' ' || lname as Patient\_name, phone,ins\_comp,substr(fname,1,3) from patient;

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--11. Create a view which gives the doctors whose specialty is ‘ORTHO’ and call it as ortho\_doctors

create view ortho\_doctors as

select \* from doctor

where specialty ='ortho';