

Create the following tables for HMS(Hospital Management System):

The Doctor_master table contains information about doctors in the hospital.

DOCTOR_MASTER(doctor_id,doctor_name,dept)

Column Name	Data type & Data	Description	
	size		
doctor_id Varchar(15)		doctorid must be unique and not null	
doctor_name	Varchar2(15)	Doctor name should be not null	
Dept	Varchar2(15)	Dept name should be not null	

Sample Data:

doctor_id	doctor_name	dept
D0001	Ram	ENT
D0002	Rajan	ENT
D0003	Smita	Eye
D0004	Bhavan	Surgery"
D0005	Sheela	Surgery
D0006	Nethra	Surgery

The room_master table contains information about room availability in the hospital.

Column Name	Data type & Data	Description	
	size		
room_no	Varchar(15)	roomno must be unique and not null	
room_type	Varchar2(15)	room type name should be not null	
status	Varchar2(15)	status name should be not null	

Sample Data:

room_no	room_type	status
R0001	AC	occupied
R0002	Suite	vacant
R0003	NonAC	vacant
R0004	NonAC	occupied
R0005	AC	vacant
R0006	AC	occupied

The patient_master table contains information about patients in the hospital.

PATIENT_MASTER(pid, name,age,weight,gender,address,phoneno,disease,doctorid)

Column Name	Data type & Data	Description
	size	
pid	Varchar(15)	pid must be unique and not null
name	Varchar2(15)	name should be not null
age	number(15)	age should be not null
Weight	number(15)	weight should be not null
Gender	Varchar(10)	gendershould be not null
Address	Varchar(50)	address should be not null
phoneno	varchar(10)	phoneno should be not null
Disease	Varchar(50)	disease should be not null
Doctor_id	Varchar(5)	Must be an existing doctor

Sample Data:

pid	name	age	weight	gender	address	phoneno	disease	Doctor_id
P0001	Gita	35	65	F	Chennai	9867145678	Eye	D0003
							Infection	
P0002	Ashish	40	70	М	Delhi	9845675678	Asthma	D0003
P0003	Radha	25	60	F	Chennai	9867166678	Pain in heart	D0005

P0004	Chandra	28	55	F	Bangalore	9978675567	Asthma	D0001
P0005	Goyal	42	65	М	Delhi	8967533223	Pain in Stomach	D0004

The room_allocation table contains information about the allocation of room to the patients in the hospital.

ROOM_ALLOCATION(room_no, pid, admission_date, release_date)

Column Name	Data type & Data	Description	
	size		
room_no	Varchar(15)	Must be an existing rooms	
pid	Varchar2(15)	Must be an existing patients	
admission_date	date	Admission date should be not null	
Release_date	date		

Sample Data:

room_no	pid	admission_date	Release_date
R0001	P0001	15-oct-16	26-oct-16
R0002	P0002	15-nov-16	26-nov-16
R0002	P0003	01-dec-16	30-dec-16
R0004	P0001	01-jan-17	30-jan-17

NOTE:

You are supposed to fill in the given records in DOCTOR_MASTER, ROOM_MASTER, PATIENT MASTER and ROOM ALLOCATION tables following these rules:

- 1. Identify the primary key and foreign key (if applicable) in each table.
- 2. Take care of the constraints and the relationships among the tables.

```
create database hms;
use hms;
create table DOCTOR_MASTER
   (
    Dr_id varchar(15) unique not NULL,
     Dr_name varchar(15) not null,
     Dept varchar(15) not null,
    constraint d_pk primary key(Dr_id)
    );
insertinto DOCTOR_MASTER(Dr_id,Dr_name,Dept)
values
('D0001','Ram','ENT'),
('D0002','Rajan','ENT'),
('D0003','Samita','Eye'),
('D0004','Bhavan','Surgery'),
('D0005','Sheela','Surgery'),
('D0006','Nethra','Surgery');
select * from DOCTOR_MASTER;
create table room_master
     room_no varchar(15) unique not NULL,
     room_type varchar(15) not null,
```

```
status varchar(15) not null
    );
    select * from room master;
insertinto room master(room no,room tyPe,status)
values
('R0001','AC','OCCUPIED'),
('R0002', 'SUITE', 'VACANT'),
('R0003','NONAC','VACANT'),
('R0004','NONAC','OCCUPIED'),
('R0005','AC','VACANT'),
('R0006','AC','OCCUPIED');
create table patient_master
   (
     pid varchar(15) unique not NULL,
     name varchar(15) not null,
     age int(15) not null,
     weight int(15) not null,
     gender varchar(10) not null,
     address varchar(50) not null,
     phoneno varchar(10) not null,
     disease varchar(50) not null,
     doctor_id varchar(5)
    );
```

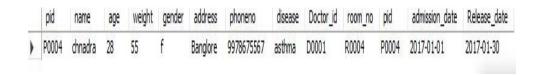
insert into patient_master(pid,name,age,weight, gender, address,phoneno,disease,Doctor_id)

```
values
('P0001','gita',35,65,'f','chennai','9867145678','eye infection','D0003'),
('P0002','Ashish',40,70,'m','delhi','9845675678','asthma','D0003'),
('P0003','radha',25,60,'f','chennai','9867166678','pain in heart','D0005'),
('P0004','chnadra',28,55,'f','Banglore','9978675567','asthma','D0001'),
('P0005','Goyal',42,65,'m','delhi','8967533223','pain in stomach','D0004')
select * from patient master;
create table ROOM ALLOCATION
     room no varchar(15),
     pid varchar(15),
     admission_date date not null,
     Release_date date
    );
insert into ROOM_ALLOCATION (room_no,pid, admission_date,Release_date)
values
('R0001','P0001','2016-10-15','2016-10-26'),
('R0002','P0002','2016-11-15','2016-11-26'),
('R0003','P0003','2016-12-01','2016-12-30'),
('R0004','P0004','2017-01-01','2017-01-30')
select * from ROOM ALLOCATION;
```

QUERIES

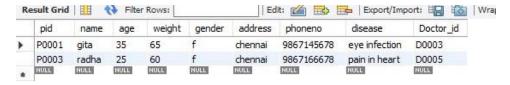
Query #1: Display the patients who were admitted in the month of january. select * from patient_master P inner join ROOM_ALLOCATIONR on P.pid=R.pid

where month(R.admission_date)=01;



Query #2: Display the female patient who is not suffering from asthma select * from patient_master

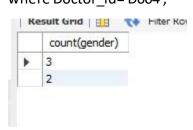
where gender in('f') and disease not in ('asthma');



Query #3: Count the number of male and female patients.

Select count(gender) from patient_master group by gender;

update patient_master set Doctor_id='D0004' where Doctor_id='D004';



Query #4: Display the patient_id,patient_name, doctor_id, doctor_name, room_no, room_type and admission_date.

select PM.pid, PM.name,DM.doctor_id, DM.doctor_name,RM.room_no,RM.room_type,RA.admission_date from

DOCTOR_MASTER DM

JOIN PATIENT_MASTER PM ON DM.doctor_id=PM.doctor_id

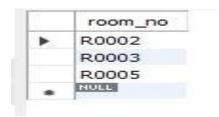
JOIN ROOM_ALLOCATION RA ON PM.pid=RA.pid



Query #5: Display the room_no which was never allocated to any patient.

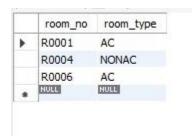
select * from room_master;

selectroom_no from room_master where status="vacant";



Query #6: Display the room_no, room_type which are allocated more than once.

SELECT room_no, room_type FROM room_master WHERE status='occupied';



PRIME

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Version 4.2