**HOSPITAL DATABASE**

**Creating Database:**

create database hospital;

**Using database:**

>use hospital;

**Creating tables:**

1. **PATIENT TABLE**

create table patient

(P\_id varchar(10) primary key,

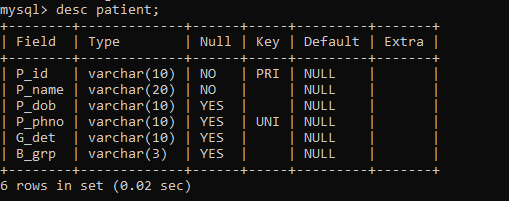
P\_name varchar(20) not null,

P\_dob varchar(10),

P\_phno varchar(10) unique,

G\_det varchar(10),

B\_grp varchar(3));



1. **DEPARTMENT TABLE**

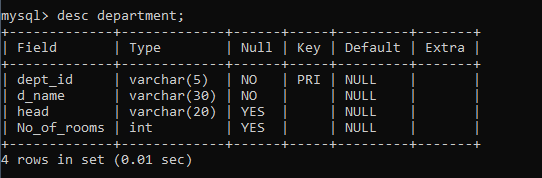
create table department

(dept\_id varchar(5) primary key,

d\_name varchar(30) not null,

head varchar(20),

No\_of\_rooms int);



1. **NURSE TABLE**

create table nurse

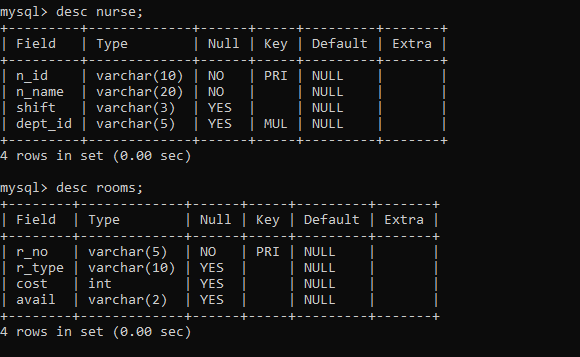
(n\_id varchar(10) primary key,

n\_name varchar(20) not null,

shift varchar(3),

dept\_id varchar(5),

foreign key(dept\_id) references department(dept\_id));



1. **DOCTOR TABLE**

create table doctor

(d\_id varchar(10) primary key,

d\_name varchar(20) not null,

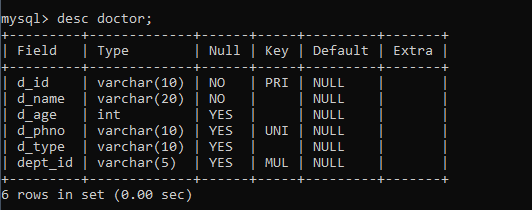
d\_age int,

d\_phno varchar(10) unique,

d\_type varchar(10),

dept\_id varchar(5),

foreign key(dept\_id) references department(dept\_id));



1. **NURSE TABLE**

create table nurse

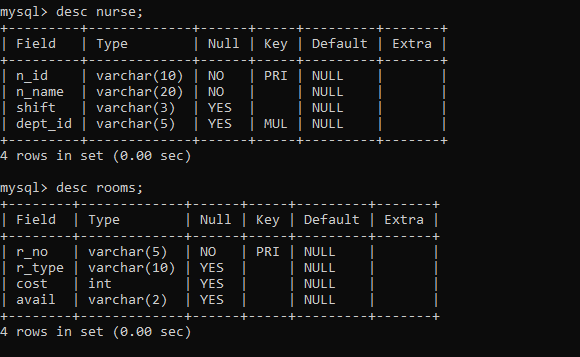
(n\_id varchar(10) primary key,

n\_name varchar(20) not null,

shift varchar(3),

dept\_id varchar(5),

foreign key(dept\_id) references department(dept\_id));



1. **ROOMS TABLE**

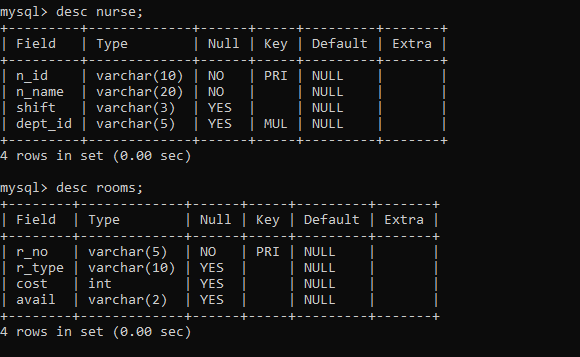
create table rooms

(r\_no varchar(5) primary key,

r\_type varchar(10),

cost int,

avail varchar(2));



1. **TREATMENT TABLE**

create table treatment

(p\_id varchar(10),

d\_id varchar(10),

n\_id varchar(10),

r\_no varchar(5),

foreign key(p\_id) references patient(p\_id),

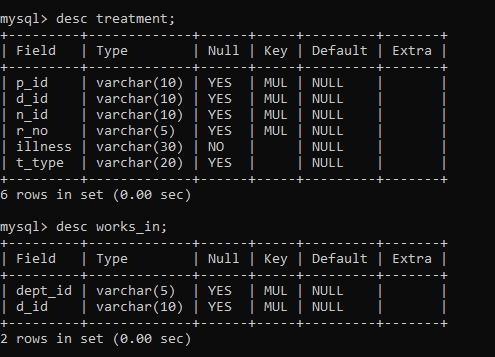
foreign key(d\_id) references doctor(d\_id),

foreign key(n\_id) references nurse(n\_id),

foreign key(r\_no) references rooms(r\_no),

illness varchar(30) not null,

t\_type varchar(20));



1. **WORKS\_IN TABLE**

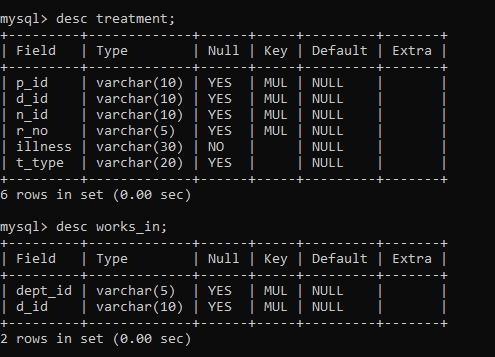
create table works\_in

(dept\_id varchar(5),

foreign key(dept\_id) references department(dept\_id),

d\_id varchar(10),

foreign key(d\_id) references doctor(d\_id));



**Inserting Values:**

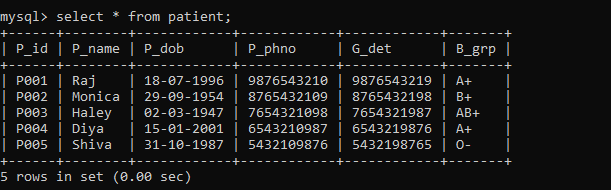
insert into patient values('P001','Raj','18-07-1996','9876543210','9876543219','A+');

insert into patient values('P002','Monica','29-09-1954','8765432109','8765432198','B+');

insert into patient values('P003','Haley','02-03-1947','7654321098','7654321987','AB+');

insert into patient values('P004','Diya','15-01-2001','6543210987','6543219876','A+');

insert into patient values('P005','Shiva','31-10-1987','5432109876','5432198765','O-');



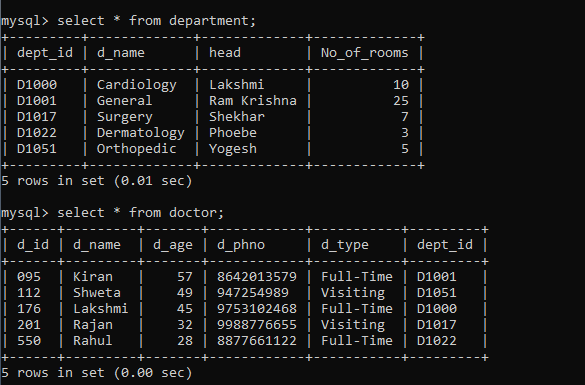
insert into department values('D1001','General','Ram Krishna',25);

insert into department values('D1000','Cardiology','Lakshmi',10);

insert into department values('D1017','Surgery','Shekhar',7);

insert into department values('D1022','Dermatology','Phoebe',3);

insert into department values('D1051','Orthopedic','Yogesh',5);



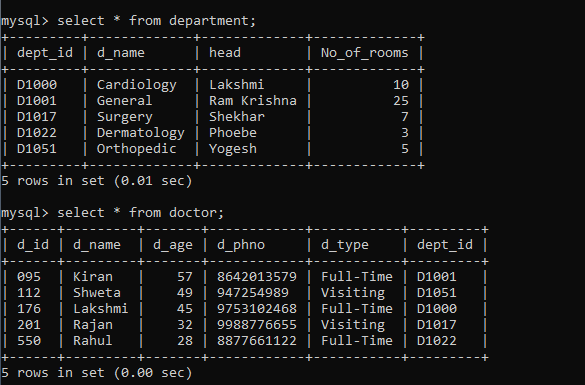
insert into doctor values('176','Lakshmi','45','9753102468','Full-Time','D1000');

insert into doctor values('201','Rajan','32','9988776655','Visiting','D1017');

insert into doctor values('550','Rahul','28','8877661122','Full-Time','D1022');

insert into doctor values('095','Kiran','57','8642013579','Full-Time','D1001');

insert into doctor values('112','Shweta','49','947254989','Visiting','D1051');



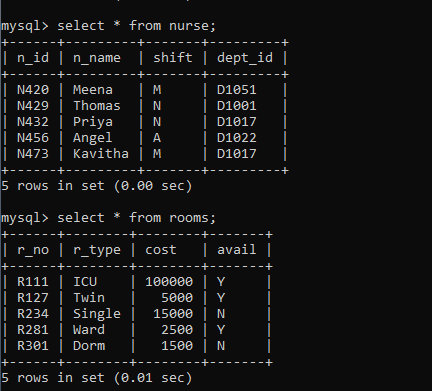
insert into nurse values('N420','Meena','M','D1051');

insert into nurse values('N473','Kavitha','M','D1017');

insert into nurse values('N429','Thomas','N','D1001');

insert into nurse values('N456','Angel','A','D1022');

insert into nurse values('N432','Priya','N','D1017');



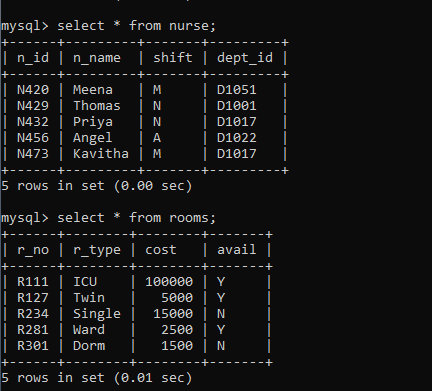
insert into rooms values('R111','ICU',100000,'Y');

insert into rooms values('R127','Twin',5000,'Y');

insert into rooms values('R234','Single',15000,'N');

insert into rooms values('R281','Ward',2500,'Y');

insert into rooms values('R301','Dorm',1500,'N');



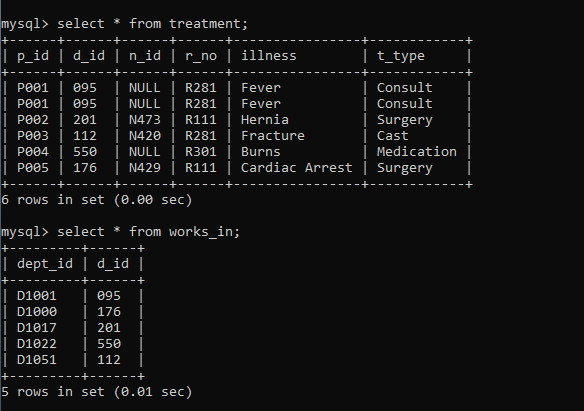
insert into treatment values('P001','095',NULL,'R281','Fever','Consult');

insert into treatment values('P002','201','N473','R111','Hernia','Surgery');

insert into treatment values('P003','112','N420','R281','Fracture','Cast');

insert into treatment values('P004','550',NULL,'R301','Burns','Medication');

insert into treatment values('P005','176','N429','R111','Cardiac Arrest','Surgery');



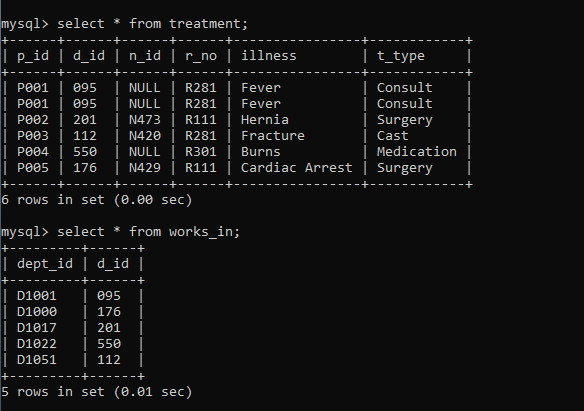
insert into works\_in values('D1001','095');

insert into works\_in values('D1000','176');

insert into works\_in values('D1017','201');

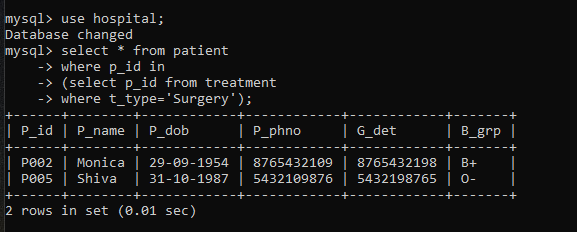
insert into works\_in values('D1022','550');

insert into works\_in values('D1051','112');

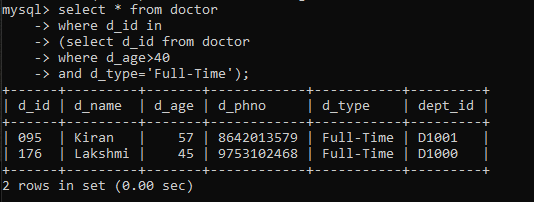


**Queries:**

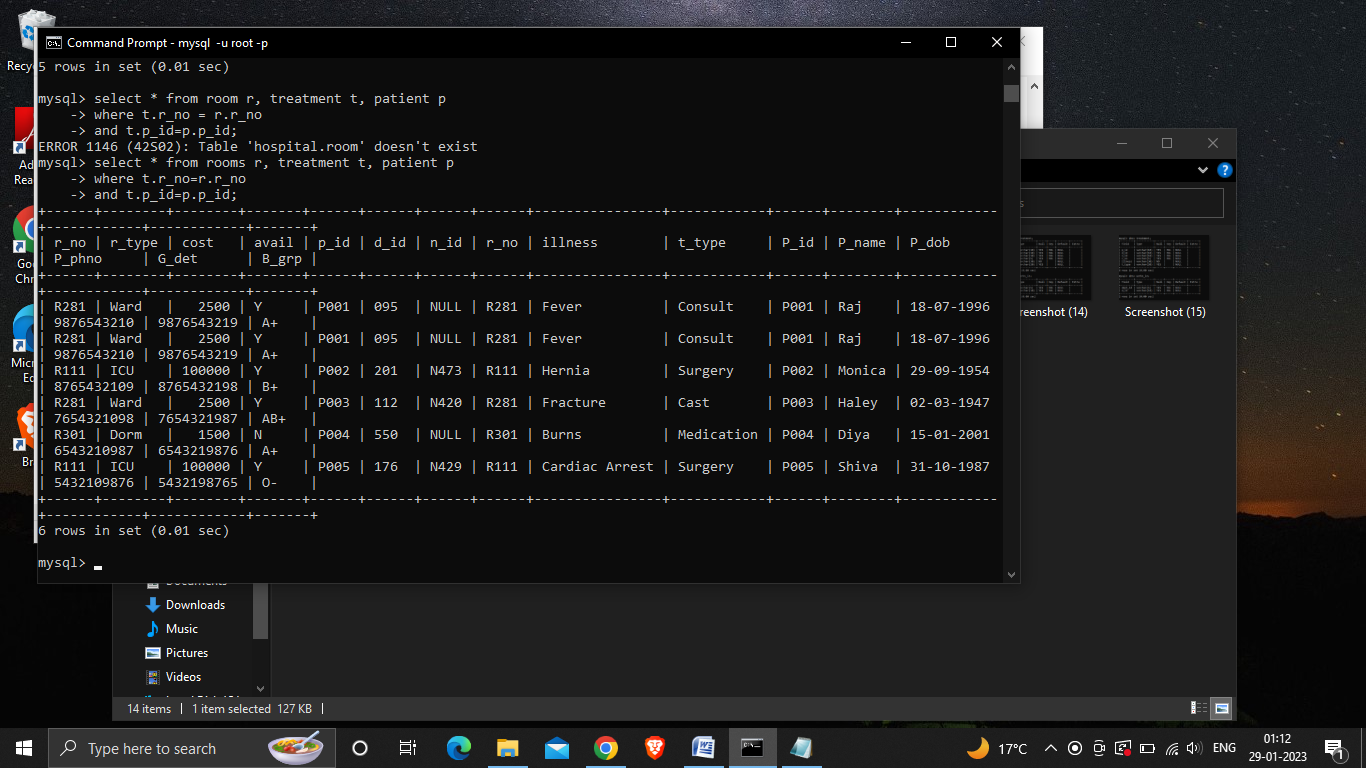
1. List patient details who are treated with surgery:



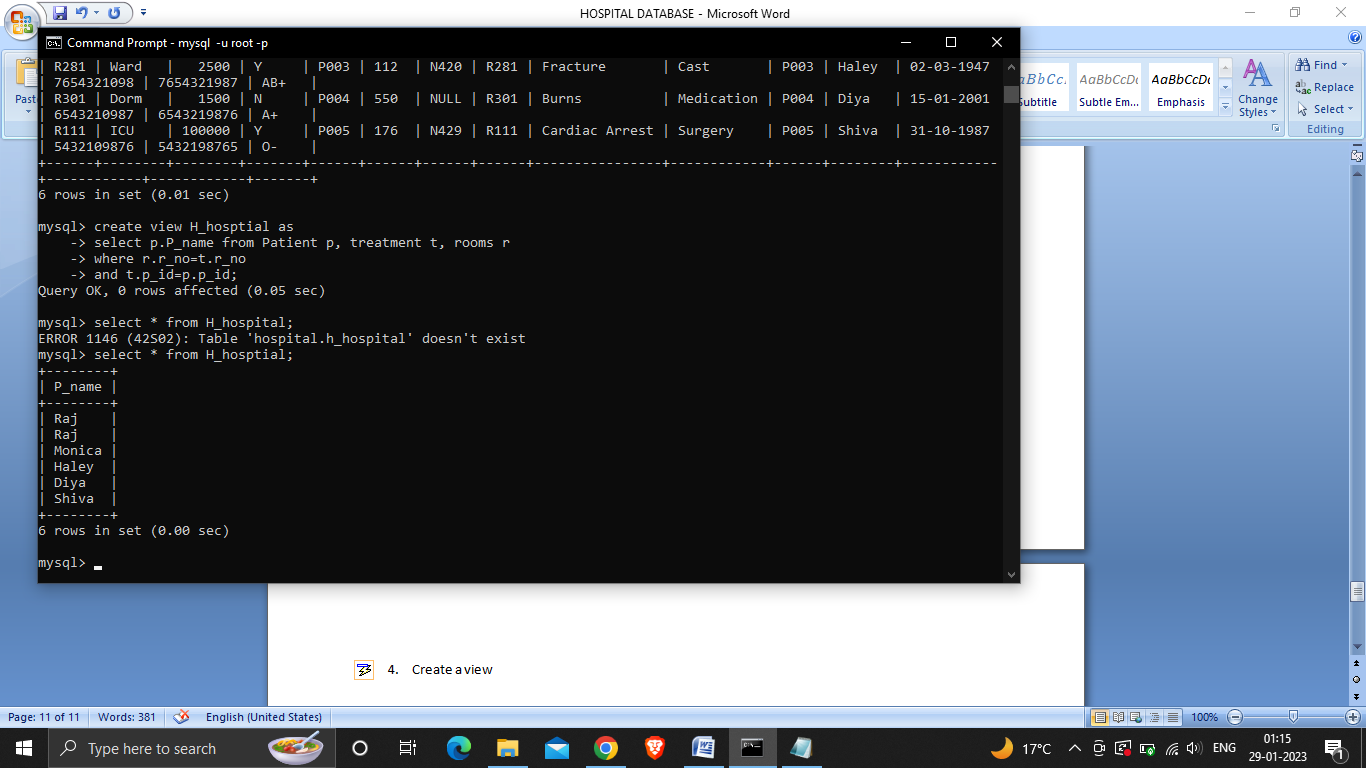
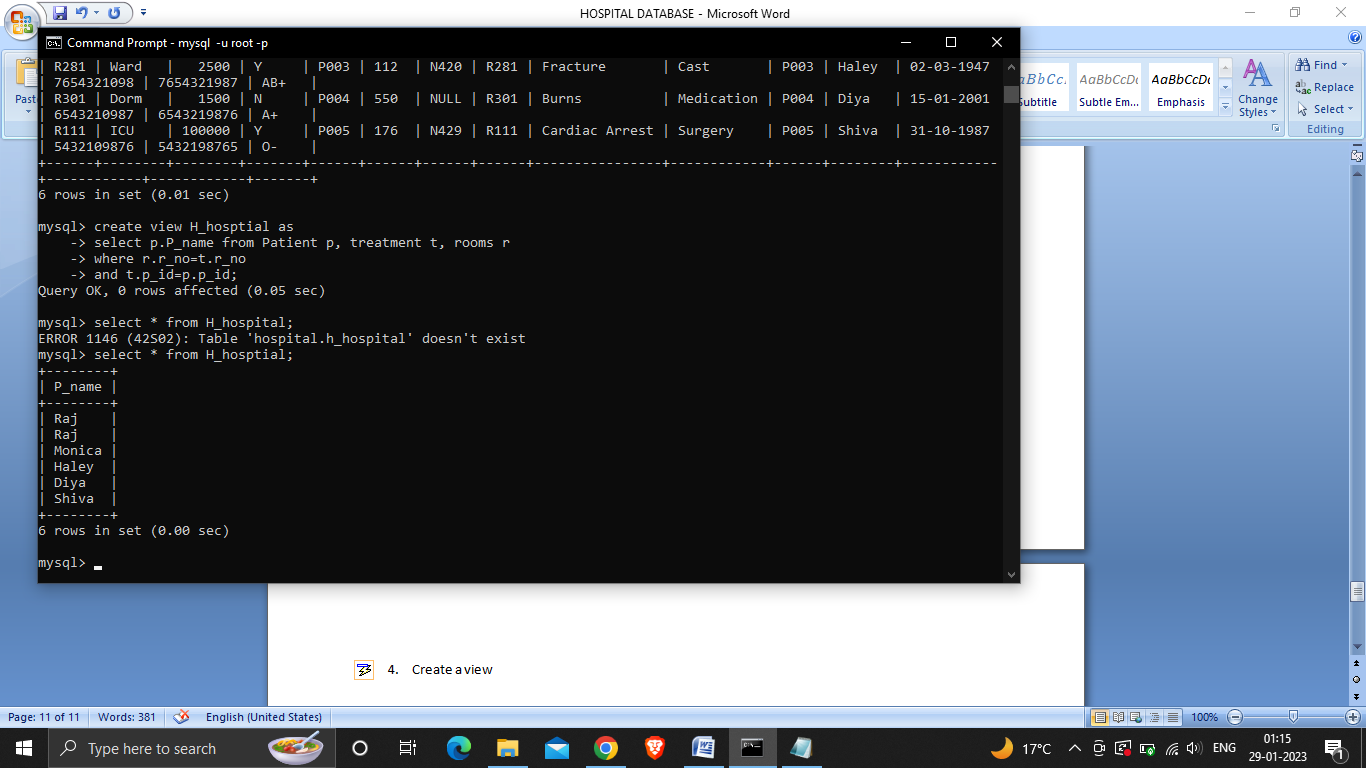
1. List all the doctors whose age is greater than 40 and work as a full-time doctor:



1. List details of rooms and patients based on room type:



1. Create a view to display the patient name based on room and treatment type:



1. Display the room number that is being used for patient consult:

