SQL_CONCEPTS_MORNING ASSIGNMENT

Question 1:

Create a database for the Hospital Management System based on your ER. Create appropriate tables & relationships.

Ans)

```
create schema hospital_management;


create table doctor(
doctor_id int not null,
doc_name varchar(200) not null,
department varchar(200) not null,
primary key(doctor_id);
);


create table doc_qualification(
doctor_id int not null,
qualification varchar(200) not null,
primary key(doctor_id,qualification),
foreign key(doctor_id) references doctor(doctor_id)
);


create table patient(
patient_id int not null,
p_name varchar(200) not null,
age int ,
doctor_id int,
sickness varchar(500),
checked_in_on date,
```

```
discharged_on date,
primary key(patient_id),
foreign key (doctor_id) references doctor (doctor_id)
);

create table medicine(
med_id int not null,
med_name varchar(200),
price int ,
primary key (med_id)
);
create table prescription(
patient_id int not null,
med_id int not null,
foreign key(patient_id) references patient(patient_id),
foreign key( med_id) references medicine(med_id)
);
create table room(
room_id int not null,
room_type varchar(20) ,
price_per_day int,
primary key(room_id)
);

create table occupancy (
room_id int not null,
patient_id int not null,
```

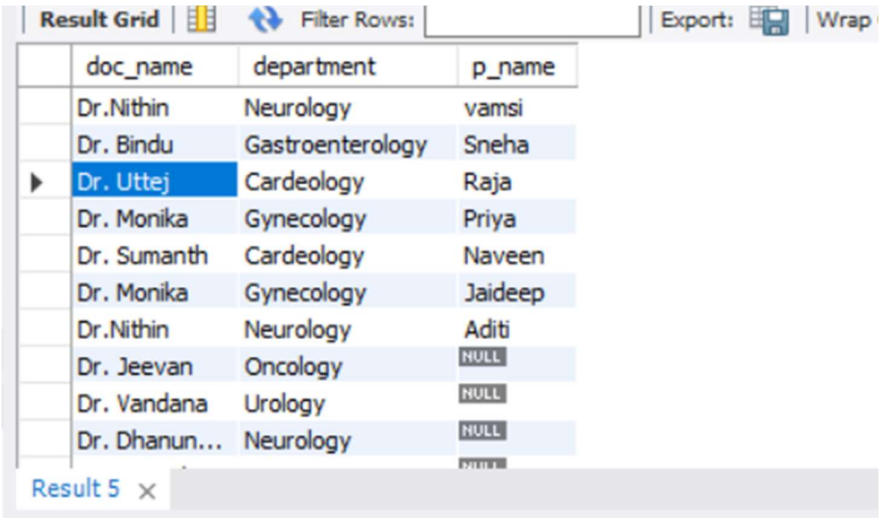
```
foreign key(room_id) references room(room_id),
foreign key(patient_id) references patient(patient_id)
);

insert into doctor values (101,"Dr.Praveen","Cardeology");
insert into doctor values (102, "Dr.Nithin" , "Neurology");
insert into patient values (1301, "vamsi", null, 102, "Spinal Problem",
null,'2020-07-18');
insert into patient values (1302, "vamsi", 62, 101, "Heart Pain", '2020-07-
15','2020-07-17');
```

Question-2) Design a query to provide a list of doctors, which department they belong to and patients treated by them (if any).

Ans:

```
select doc_name, department, p_name
from doctor left join patient on
 doctor.doctor_id=patient.doctor_id
order by p_name desc;
```



Question 3: Query to provide the count of patients discharged per day in the last week.

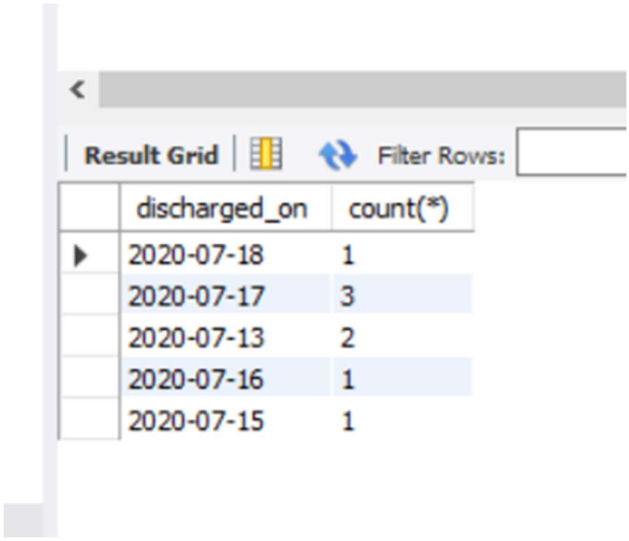
Ans)

```
select discharged_on ,count(*)

from patient

where patient.discharged_on between '2020-07-12' and '2020-07-18'

group by patient.discharged_on
```



discharged_on	count(*)
2020-07-18	1
2020-07-17	3
2020-07-13	2
2020-07-16	1
2020-07-15	1