HOSPITAL MANAGEMENT

create database hospital;

use hospital;

create table doctor(

doctor\_id int primary key not null ,

f\_name varchar (255),

l\_name varchar (255),

department varchar (255),

city varchar (255),

gender varchar (255),

age varchar (255),

phone\_number varchar (255),

salary varchar (255));

SELECT \* FROM doctor;

insert into doctor

values(1,"shylock","grover","general medicine" ,"mumbai","male",30,9098765432,60000),

(2,"marry","gen","sonology" ,"thane","female",35,9076565432,90000),

(3,"alex","xavier","virology" ,"mumbai","male",30,8098765432,90000),

(4,"grace","martin","teratology" ,"colaba","male",45,8076567832,100000),

(5,"marry","groes","neurology" ,"thane","female",35,7006565432,120000),

(6,"john","borges","general surgeon" ,"thane","male",40,8098565432,160000),

(7,"amer","bhatt","radiology" ,"borivali","male",45,9076876432,130000),

(10,"shy","kapoor","biochemistry" ,"airoli","female",29,7016565432,80000),

(11,"raj","jha","sonology" ,"thane","male",37,9065465432,90000),

(12,"benzo","gairo","general medicine" ,"bandra","male",34,9076589032,70000),

(13,"raj","shah","virology" ,"airoli","male",48,8006565432,90000),

(14,"meena","kaur","radiology" ,"thane","female",29,9066565432,90000),

(15,"tarak","mehta","general medicine" ,"mulund","male",35,9076098432,80000),

(16,"cyrus","gen","neurology" ,"thane","male",55,9544565432,190000),

(17,"damon","demsey","general medicine" ,"byculla","male",37,9078765432,90000),

(18,"justin","jennifer","neurology" ,"colaba","male",38,7654876432,120000),

(19,"cliff","diaz","general medicine" ,"sion","male",39,8008765432,90000),

(20,"ira","walker","cardiology" ,"colaba","female",40,9044465432,110000),

(21,"betsy","sawyer","surgeon" ,"delhi","female",41,9078888432,90000),

(22,"penny","tyler","dermatology" ,"mumbai","female",42,9099965432,90000),

(23,"kelly","jones","orthopedics" ,"bandra","female",35,9078000432,120000),

(24,"wendy","reynolds","general medicine" ,"juhu","male",36,9078999432,90000),

(25,"oliver","smith","hematology" ,"byculla","male",37,9076565432,90000),

(26,"vinnie","menard","general medicine" ,"vasai","male",38,9078795432,90000),

(27,"bobby","salas","general medicine" ,"mulund","male",39,9555765432,90000),

(28,"jesse","milner","cardiology" ,"byculla","female",37,7778765432,120000),

(29,"jose","perkin","sonology" ,"mankur","male",32,9008765432,130000),

(30,"rosy","roy","bio medicine" ,"sion","female",33,9075005432,80000),

(31,"fred","clark","bio chemistry" ,"airoli","male",34,9909765432,90000),

(32,"melina","smith","gynaecology" ,"diva","female",35,9090765432,120000),

(33,"barbara","wood","gynaecology" ,"kalwa","male",36,9078760982,130000),

(34,"tom","renata","general medicine" ,"churchgate","male",36,9078765432,90000),

(35,"david","perry","general medicine" ,"byculla","male",37,9000765432,90000),

(36,"lucy","huges","cardiologist" ,"byculla","female",38,8078765432,180000),

(37,"obmar","carter","radiology" ,"juhu","male",39,7008765432,160000),

(38,"pamela","alonso","dermatology" ,"goregaon","female",40,7009765432,150000),

(39,"alen","demsey","hematology" ,"mumbai","male",41,7078709432,150000),

(40,"paul","ford","pulmonology" ,"thane","male",37,9076005432,130000),

(41,"didac","martin","nephrology" ,"thane","male",38,9000075432,100000),

(42,"jim","yang","radiology" ,"byculla","female",35,9078000932,100000),

(43,"ruby","smith","psychiatry" ,"sion","female",37,9078765432,120000),

(44,"nocial","white","oncology" ,"colaba","male",37,9078765432,130000),

(45,"bob","cark","nephrology" ,"thane","male",37,9078765432,140000),

(46,"alexa","miller","general medicine" ,"mulund","female",37,9078765432,120000),

(47,"leon","lee","general medicine" ,"chembur","male",37,9078765432,100000),

(48,"damon","hill","oncology" ,"byculla","male",37,9078765432,100000),

(49,"mia","foster","general surgery" ,"airoli","female",37,9078765432,120000),

(50,"visha","livea","general surgery" ,"vashi","male",37,9078765432,170000);

select \* from doctor;

create table patient(

patient\_id int not null,

f\_name varchar (255),

l\_name varchar (255),

city varchar (255),

gender varchar (255),

age varchar (255),

phone varchar (255));

select \* from patient;

insert into patient

values(1,"shygen","grover","mumbai","male",30,9098890987),

(2,"maria","gen","thane","female",35,9076565432),

(3,"alex","xavier","mumbai","male",30,8098765432),

(4,"grove","martin","mumbai","male",45,8076567832),

(5,"marry","groes","thane","female",35,7006565432),

(6,"rohn","borges","thane","male",40,8098565432),

(7,"amir","bhatt","borivali","male",25,9076876432),

(10,"shylia","kapoor","airoli","female",29,7016565432),

(11,"rajiv","jha","thane","male",37,9065465432),

(12,"benzoa","gairo","bandra","male",28,9076589032),

(13,"rajish","shah","airoli","male",48,8006565432),

(14,"miana","kaur","thane","female",29,9066565432),

(15,"taksu","mehta","mulund","male",25,9076098432),

(16,"cyken","gen","thane","male",55,9544565432),

(17,"damon","demsey","byculla","male",37,9078765432),

(18,"jujjer","jennifer","colaba","male",23,7654876432),

(19,"cliff","diaz","sion","male",39,8008765432),

(20,"irish","walker","colaba","female",40,9044465432),

(21,"bety","sawyer","delhi","female",27,9078888432),

(22,"peri","tyler","mumbai","female",42,9099965432),

(23,"kairi","jones","bandra","female",35,9078000432),

(24,"wendoa","reynolds","juhu","male",36,9078999432),

(25,"oliver","smith","byculla","male",37,9076565432),

(26,"vinnie","menard","vasai","male",38,9078795432),

(27,"bobby","salas","mulund","male",39,9555765432),

(28,"jesse","milner","byculla","female",37,7778765432),

(29,"jose","perkin","mankur","male",50,9008765432),

(30,"rosy","roy","sion","female",33,9075005432),

(31,"fred","clark","airoli","male",34,9909765432),

(32,"melina","smith","diva","female",54,9090765432),

(33,"barbara","wood","kalwa","male",36,9078760982),

(34,"brij","renata","churchgate","male",36,9078765432),

(35,"dacid","perry","byculla","male",37,9000765432),

(36,"lucia","huges","byculla","female",38,8078765432),

(37,"obmar","carter","juhu","male",56,7008765432),

(38,"pamsela","alonso","goregaon","female",40,7009765432),

(39,"alen","demsey","mumbai","male",41,7078709432),

(40,"paul","ford","thane","male",37,9076005432),

(41,"didac","martin","thane","male",70,9000075432),

(42,"jim","yang","byculla","female",35,9078000932),

(43,"ruby","smith","sion","female",59,9078765432),

(44,"nocial","white","colaba","male",37,9078765432),

(45,"bob","cark","thane","male",54,9078765432),

(46,"alexa","miller","mulund","female",37,9078765432),

(47,"leon","lee","chembur","male",37,9078765432),

(48,"damon","hill","byculla","male",53,9078765432),

(49,"mia","foster","airoli","female",37,9078765432),

(50,"viru","livea","vashi","male",52,9078765432);

Q1 Write the query to view all records from patient table.

select \* from patient;

Q.2 Write query to display salary less than 90000 .(where clause)

select f\_name,l\_name,salary

from doctor

where salary<90000;

Q.3 Write a query using not in operator.

select doctor\_id,f\_name,l\_name,department

from doctor

where not department = 'general medicine';

Q.4 Write a query to display f\_name starting with ‘a’.

select f\_name

from patient

where f\_name like 'a%';

Q.5 Write a query to display f\_name ending with ‘a’

select f\_name

from patient

where f\_name like '%a';

Q.6 Write a Query using order by clause.to display records of salary limit 20

select \* from doctor

order by salary asc limit 20;

Q.7 Write a query to find length of doctor\_id,f\_name

select doctor\_id,length(doctor\_id),f\_name,length(f\_name)

from doctor;

Q.8 Write a query to concat two columns from patient table;

select f\_name , l\_name,concat(f\_name," ",l\_name)

from patient;

Q.9 Write a query to covert f\_name ,l\_name into uppercase.

select upper(f\_name),upper(l\_name)

from doctor;

Q.10 Write a query to display only 4 characters(letters) from f\_name from left.

select left(f\_name,4)

from patient;

Q.11. Write a Query to display count of department from doctor table.

select count(department) from doctor;

Q.13 Write a query to display maximum salary given to doctors.

select max(salary)

from doctor;

Q.14 Write a query to display minimum salary given to doctors.

select min(salary)

from doctor;

Q.15 Write a query to display average salary .

select avg(salary)

from doctor;

Q.16 Write a query to create a view.

create view general\_medicine as

select doctor\_id,f\_name,l\_name,department

from doctor

where department='general medicine';

Q.17 Write a query to display a created view.

select \* from general\_medicine;

Q.18 Write a query to display unique department name.

select distinct department

from doctor;

Q.19.Write a query to display doctor\_id,f\_name,l\_name of 40 doctors.

select doctor\_id, f\_name,l\_name

from doctor

where(select doctor\_id>40);

Q.20 Write A query using join function .

select doctor.f\_name,doctor.l\_name,

patient.f\_name,patient.l\_name

from patient

left join doctor

on doctor.doctor\_id=patient.patient\_id;