create database hospital\_management;

use hospital\_management;

show databases;

----- create a patient table::

create table patient(patient\_id int primary key,name varchar(20),age int,address varchar(30),disease varchar(20),doctor\_id int);

desc patient;

----- create a doctor table::

create table doctor(doctor\_id int primary key,name varchar(20),age int,sex varchar(1),address varchar(30));

desc doctor;

-------------------- to add foreign key to a patient-table::

alter table patient add(foreign key(doctor\_id) references doctor(doctor\_id) on delete set null);

----- create a laboratory table::

create table laboratory(lab\_no int primary key,patient\_id int,doctor\_id int,date date,amount int,

foreign key(patient\_id)references patient(patient\_id)on delete set null,

foreign key(doctor\_id)references doctor(doctor\_id) on delete set null);

desc laboratory;

----- create a bill table::

create table bill(bill\_no int primary key,patient\_id int,doctor\_charge int,room\_no int,no\_of\_days int,

labcharge\_bill int,foreign key(patient\_id) references patient(patient\_id) on delete set null);

desc bill;

----------- inserting values in table patient

insert into patient values(111,"ana",23,"chn","dengue",1),(112,"rama",52,"mum","ebola",1),

(113,"sana",21,"hyd","malaria",3),(114,"sam",32,"mum","cancer",4),(115,"mahi",41,"blr","cancer",5);

select \* from patient;

----------- inserting values in table doctor

insert into doctor values(1,"ajith",29,"M","mum");

insert into doctor values(2,"ramya",28,"F","chn"),(3,"divya",41,"F","blr"),(4,"kumar",42,"M","mum"),(5,"sanjay",45,"M","nagpur");

SELECT \* FROM doctor;

----------- inserting values in table laboratory

insert into laboratory values(21,111,1,"2022-01-12",23000);

insert into laboratory values(22,113,2,"2022-04-20",30000);

insert into laboratory values(23,112,3,"2022-03-21",56000),(24,114,4,"2022-08-23",80000),(25,115,5,"2022-10-04",95000);

select \* from laboratory;

----------- inserting values in table bill

insert into bill values(511,111,2000,1000,2,3000);

insert into bill values(512,112,1500,3000,6,6000),(513,113,3000,3500,7,4200),(514,115,4000,6000,12,7500),(515,114,8500,15000,30,9000);

select \* from bill;

----------- creating a simple view named doc\_view

create view doc\_view as select patient\_id,name,disease,address from patient;

select \* from doc\_view;

show tables;

----------- creating a complex view named doc\_view1

create view doc\_view1 as select patient.name,patient.disease,bill.doctor\_charge,bill.room\_no,bill.no\_of\_days from patient inner join bill using(patient\_id);

select \* from doc\_view1;

create view doc\_view2 as select patient.name,patient.disease,bill.doctor\_charge,bill.room\_no,bill.no\_of\_days from patient right join bill using(patient\_id);

select \* from doc\_view2;

show tables;