create schema HospitalManagement;  
set search\_path to HospitalManagement;  
  
--1--  
  
create table Employee(  
 EID varchar(5) primary key,  
 EName varchar(30) NOT NULL,  
 DOB Date NOT NULL,  
 DOJ Date NOT NULL,  
 Salary int NOT NULL,  
 Category varchar(30) NOT NULL,

Gender char(1) NOT NULL,  
 Start\_time time NOT NULL,  
 End\_time time NOT NULL,  
 Qualification varchar(30) NOT NULL,  
 ContactNo int NOT NULL   
);  
  
--2--  
  
create table Patient(  
 PID varchar(5) primary key,  
 P\_Name varchar(30) NOT NULL,  
 DOB Date NOT NULL,  
 Gender char(1) NOT NULL,

In\_date date NOT NULL,  
 In\_time time NOT NULL,   
 Out\_date date NOT NULL,

Out\_time time NOT NULL,  
 Admit\_Form varchar(30) NOT NULL,  
 Relation varchar(30) NOT NULL,  
 contactNo int NOT NULL  
);  
  
--3--  
  
create table Doctor(  
 DID varchar(5) primary key,  
 Type varchar(30) NOT NULL,

FOREIGN KEY(DID) references Employee(EID)   
);  
  
--4--   
  
create table Doctor\_Speciality(  
 DID varchar(5) NOT NULL,  
 Speciality\_Name varchar(40) NOT NULL,  
 FOREIGN KEY(DID) references Doctor(DID),   
 PRIMARY KEY(DID, Speciality\_Name)  
);  
  
--5--  
  
create table Visitor(  
 VisitorID varchar(5) primary key,  
 Visitor\_Name varchar(30) NOT NULL,  
 Stay\_from Date NOT NULL,  
 Stay\_to Date NOT NULL  
);  
  
--6--  
  
create table meet(  
 PID varchar(5) NOT NULL,  
 Visitor\_ID varchar(5) NOT NULL,  
 FOREIGN KEY(PID) references Patient(PID),  
 FOREIGN KEY(Visitor\_ID) references Visitor(VisitorID),  
 PRIMARY KEY(PID, Visitor\_ID)   
);  
  
--7--  
  
create table Appointment(  
 Appointment\_No varchar(5) primary key,  
 App\_name varchar(20) NOT NULL,  
 Appointment\_Date Date NOT NULL,  
 Appointment\_time time NOT NULL,  
 Fees int NOT NULL  
);  
  
--8--  
  
create table Appointment\_with(  
 DID varchar(5) NOT NULL,  
 Appointment\_No varchar(5) NOT NULL,  
 FOREIGN KEY(DID) references Doctor(DID),  
 FOREIGN KEY(Appointment\_No) references Appointment(Appointment\_No),  
 PRIMARY KEY(DID, Appointment\_No)  
);  
  
--9--  
  
create table Treated\_By(  
 DID varchar(5) NOT NULL,  
 PID varchar(5) NOT NULL,  
 FOREIGN KEY(DID) references Doctor(DID),  
 FOREIGN KEY(PID) references Patient(PID),  
 PRIMARY KEY(DID, PID)   
);  
  
--10--  
  
create table Available\_ward(  
 Ward\_no varchar(5) primary key,  
 Ward\_type varchar(30) NOT NULL,  
 Ward\_capacity int NOT NULL,  
 Ward\_rateperDay int NOT NULL  
);  
  
--11--  
  
create table Available\_Operation(  
 Operation\_ID varchar(5) primary key,  
 Operation\_name varchar(30) NOT NULL,

Operation\_rate int NOT NULL  
);  
  
--12--  
  
create table Available\_Medicine(  
 Medicine\_ID varchar(5) primary key,

Medicine\_name varchar(30) NOT NULL,  
 Medicine\_rate varchar(20) NOT NULL   
);  
  
--13--  
  
create table Available\_Test(  
 Test\_ID varchar(5) primary key,

Test\_name varchar(30) NOT NULL,  
 Test\_rate int NOT NULL   
);  
  
--14--  
  
create table Bill(  
 Bill\_no varchar(5) primary key,  
 Bill\_date Date NOT NULL,

PID varchar(5) NOT NULL,

Total\_Amount int NOT NULL,

FOREIGN KEY(PID) references Patient(PID)  
);  
  
--15--  
  
create table ward\_list(

Ward\_list\_ID varchar(5) primary key,

Ward\_no varchar(5) NOT NULL,

PID varchar(5) NOT NULL,

Stay\_charges int NOT NULL,  
 Bill\_no varchar(5) NOT NULL,

FOREIGN KEY(Ward\_no) references Available\_ward(Ward\_no),  
 FOREIGN KEY(PID) references Patient(PID),  
 FOREIGN Key(Bill\_no) references Bill(Bill\_no)  
);  
  
--16--  
  
create table Test\_List(

Test\_List\_ID varchar(5) primary key,  
 Test\_date Date NOT NULL,  
 PID varchar(5) NOT NULL,  
 DID varchar(5) NOT NULL,  
 Test\_Bill\_date Date NOT NULL,  
 Test\_Amount int NOT NULL,

Bill\_no varchar(5) NOT NULL,  
 FOREIGN KEY(Bill\_no) references Bill(Bill\_no),  
 FOREIGN KEY(PID) references Patient(PID),  
 FOREIGN KEY(DID) references Doctor(DID)  
);  
  
--17--  
  
create table have(  
 Test\_List\_ID varchar(5) NOT NULL,  
 Test\_ID varchar(5) NOT NULL,  
 FOREIGN KEY(Test\_List\_ID) references Test\_List(Test\_List\_ID),  
 FOREIGN KEY(Test\_ID) references Available\_Test(Test\_ID),  
 PRIMARY KEY(Test\_List\_ID, Test\_ID)  
);  
  
--18--  
  
create table Medicine\_List(

Medicine\_List\_ID varchar(5) primary key,

Prescreption\_date DATE NOT NULL,  
 PID varchar(5) NOT NULL,  
 DID varchar(5) NOT NULL,  
 Medicine\_Bill\_date Date NOT NULL,

Medicine\_quantity int NOT NULL,  
 Medicine\_Amount int NOT NULL,

Bill\_no varchar(5) NOT NULL,  
 FOREIGN KEY(Bill\_no) references Bill(Bill\_no),  
 FOREIGN KEY(PID) references Patient(PID),  
 FOREIGN KEY(DID) references Doctor(DID)  
);  
  
--19--  
  
create table has(  
 Medicine\_List\_ID varchar(5) NOT NULL,  
 Medicine\_ID varchar(5) NOT NULL,  
 FOREIGN KEY(Medicine\_List\_ID) references

Medicine\_List(Medicine\_List\_ID),  
 FOREIGN KEY(Medicine\_ID) references Available\_Medicine(Medicine\_ID),  
 PRIMARY KEY(Medicine\_List\_ID,Medicine\_ID)  
);  
  
--20--  
  
create table Operation\_List(  
 Operation\_List\_ID varchar(5) primary key,  
 Operation\_ID varchar(5) NOT NULL,

Operation\_date Date NOT NULL,

PID varchar(5) NOT NULL,  
 Operation\_Bill\_date Date NOT NULL,  
 Operation\_Amount int NOT NULL,

Bill\_no varchar(5) NOT NULL,  
 FOREIGN KEY(Bill\_no) references Bill(Bill\_no),  
 FOREIGN KEY(PID) references Patient(PID),  
 FOREIGN KEY(Operation\_ID) references

Available\_Operation(Operation\_ID)  
);  
  
--21--  
  
create table Performs(  
 DID varchar(5) NOT NULL,  
 Operation\_List\_ID varchar(5) NOT NULL,  
 FOREIGN KEY(DID) references Doctor(DID),  
 FOREIGN KEY(Operation\_List\_ID) references

Operation\_List(Operation\_List\_ID),  
 PRIMARY KEY(DID, Operation\_List\_ID)   
);  
  
--22--  
  
create table Report(  
 Test\_List\_ID varchar(5) primary key,  
 Report\_date Date NOT NULL,  
 Remarks varchar(50) NOT NULL,  
 FOREIGN KEY(Test\_List\_ID) references Test\_List(Test\_List\_ID)  
);