```
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)
);
```