CREATE TABLE Patient\_2022\_2\_60\_127(

PatientID NUMBER,

Name VARCHAR2(40),

Gender VARCHAR2(10),

Age NUMBER,

ContactNumber NUMBER,

PRIMARY KEY(PatientID)

);

CREATE TABLE Doctors\_2022\_2\_60\_127(

DoctorID NUMBER,

Name VARCHAR2(40),

Specialization VARCHAR2(40),

ContactNumber NUMBER,

YearsExperience NUMBER,

PRIMARY KEY(DoctorID)

);

CREATE TABLE Appointments\_2022\_2\_60\_127(

AppointmentID NUMBER,

AppointmentDate DATE ,

PatientID NUMBER,

DoctorID NUMBER,

PRIMARY KEY(AppointmentID),

FOREIGN KEY (PatientID) REFERENCES Patient\_2022\_2\_60\_127,

FOREIGN KEY (DoctorID) REFERENCES Doctors\_2022\_2\_60\_127

);

ALTER TABLE Appointments\_2022\_2\_60\_127 ADD AppointmentStatus VARCHAR2(40);

CREATE TABLE Billing\_2022\_2\_60\_127(

BillID NUMBER,

AppointmentID NUMBER ,

BillAmount VARCHAR2(40),

BillStatus VARCHAR2(40),

PRIMARY KEY(BillID),

FOREIGN KEY (AppointmentID) REFERENCES Appointments\_2022\_2\_60\_127

);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(101,'Junaeid','Male',24,016472);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(102,'Nafisa','Female',23,01452);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(103,'Akash','Male',29,016392);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(104,'Arash','Male',32,018462);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(105,'Tahmina','Female',19,015682);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(106,'Rafi','MALE',29,016682);

INSERT INTO Patient\_2022\_2\_60\_127 VALUES(107,'ifat','male',20,015672);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(201,'Ali','Gynecology',016472,2);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(202,'Shifa','Oncology',01452,4);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(203,'Atik','Anesthesiologists',016392,6);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(204,'Mehedi','Oncology',018462,1);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(205,'Tahmina','Gynecology',015682,9);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(206,'Tahmid','Cardiology',015682,9);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(207,'Asif','Cardiology',015922,10);

INSERT INTO Doctors\_2022\_2\_60\_127 VALUES(208,'ishan','Cardiology',015682,3);

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(301,'04-03-2024',101,201,'Completed');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(302,'3-21-2024',103,206,'Completed');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(303,'3-24-2024',102,202,'Completed');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(304,'3-19-2024',105,203,'Pending');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(305,'3-25-2024',104,204,'Not Complete');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(306,'4-24-2024',104,204,' Complete');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(307,'3-24-2024',103,204,' Complete');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(308,'3-24-2024',105,206,' Complete');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(309,'3-20-2024',106,205,' Complete');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(310,'3-14-2024',107,206,' Complete');

INSERT INTO Appointments\_2022\_2\_60\_127 VALUES(311,'3-20-2024',107,201,' Complete');

INSERT INTO Billing\_2022\_2\_60\_127 VALUES(401,301,900,'Paid');

INSERT INTO Billing\_2022\_2\_60\_127 VALUES(402,302,1100,'Paid');

INSERT INTO Billing\_2022\_2\_60\_127 VALUES(403,303,2100,'Pending');

INSERT INTO Billing\_2022\_2\_60\_127 VALUES(404,304,1750,'Pending');

INSERT INTO Billing\_2022\_2\_60\_127 VALUES(405,305,2700,'Paid');

SELECT Name , ContactNumber

FROM Patient\_2022\_2\_60\_127

WHERE Age=(SELECT MAX(Age)

FROM Patient\_2022\_2\_60\_127);

SELECT Specialization,AppointmentDate, Count(AppointmentID) AS NUMBER\_OF\_APPOINTMENT

FROM Doctors\_2022\_2\_60\_127 D,Appointments\_2022\_2\_60\_127 A

WHERE D.DoctorID=A.DoctorID

GROUP BY Specialization,AppointmentDate

HAVING Specialization='Oncology'AND AppointmentDate='3-24-2024';

SELECT P.Name,P.ContactNumber

FROM Doctors\_2022\_2\_60\_127 D ,Patient\_2022\_2\_60\_127 P, Appointments\_2022\_2\_60\_127 A

WHERE D.DoctorID=A.DoctorID AND P.PatientID=A.PatientID AND D.Specialization='Cardiology' AND A.AppointmentDate='3-24-2024';

SELECT DISTINCT DoctorID , NAME,ContactNumber

FROM Appointments\_2022\_2\_60\_127 NATURAL JOIN Doctors\_2022\_2\_60\_127

WHERE AppointmentStatus='Completed' AND AppointmentDate BETWEEN '3-19-2024' AND '3-21-2024'

ORDER BY Name DESC ;

SELECT DoctorID , NAME

FROM Doctors\_2022\_2\_60\_127 NATURAL LEFT JOIN Appointments\_2022\_2\_60\_127

WHERE AppointmentID is NULL ;

SELECT temp.\*,ROWNUM

FROM (SELECT \*

FROM Billing\_2022\_2\_60\_127

ORDER BY BillAmount)temp

WHERE ROWNUM<=3;

SELECT PatientID,Name,ContactNumber,COUNT(AppointmentID)

FROM Patient\_2022\_2\_60\_127 NATURAL JOIN Appointments\_2022\_2\_60\_127

GROUP BY PatientID,Name,ContactNumber

HAVING COUNT(AppointmentID)>=2;

SELECT Specialization, ROUND(AVG(YearsExperience),2) AS AVG\_YEARS\_EXP

FROM Doctors\_2022\_2\_60\_127

GROUP BY Specialization;

SELECT DoctorID,(SELECT COUNT(AppointmentStatus)

FROM Appointments\_2022\_2\_60\_127 A

WHERE A.DoctorID =D.DoctorID AND AppointmentStatus = 'Completed') AS

NUM\_OF\_COMPLETED\_APPOINTMENT

FROM Doctors\_2022\_2\_60\_127 D;

UPDATE Billing\_2022\_2\_60\_127

SET BillAmount = (CASE

WHEN BillAmount<1000 THEN BillAmount-BillAmount\*0.15

WHEN BillAmount>=1000 AND BillAmount<2500 THEN BillAmount-BillAmount\*0.1

ELSE BillAmount-BillAmount\*0.05

END);

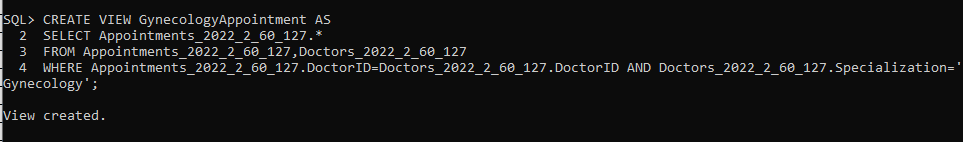
ALTER TABLE Patient\_2022\_2\_60\_127 ADD Address VARCHAR2(40);

CREATE VIEW GynecologyAppointment AS

SELECT Appointments\_2022\_2\_60\_127.\*

FROM Appointments\_2022\_2\_60\_127,Doctors\_2022\_2\_60\_127

WHERE Appointments\_2022\_2\_60\_127.DoctorID=Doctors\_2022\_2\_60\_127.DoctorID AND Doctors\_2022\_2\_60\_127.Specialization='Gynecology';



SELECT \* FROM GynecologyAppointment;

