CREATE TABLE PolicyType (

company VARCHAR2(50) NOT NULL,

policytype CHAR(1) NOT NULL,

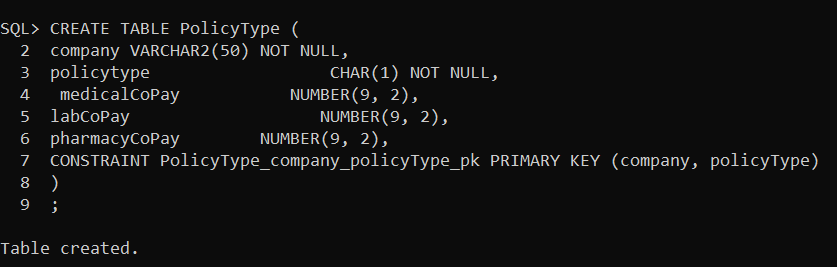
medicalCoPay NUMBER(9, 2),

labCoPay NUMBER(9, 2),

pharmacyCoPay NUMBER(9, 2),

CONSTRAINT PolicyType\_company\_policyType\_pk PRIMARY KEY (company, policyType)

);



CREATE TABLE InsurancePolicy (

policyNo NUMBER(9) NOT NULL PRIMARY KEY,

company VARCHAR2(30),

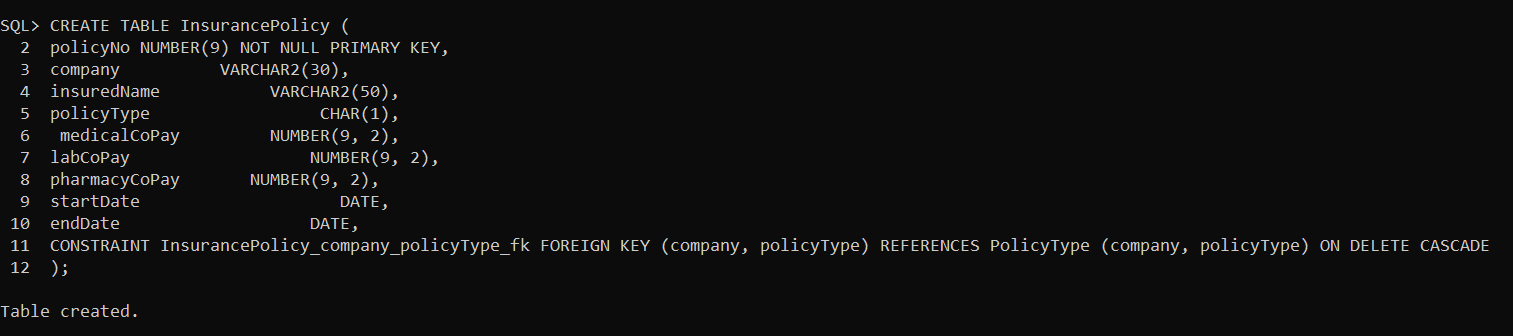
policyType CHAR(1),

startDate DATE,

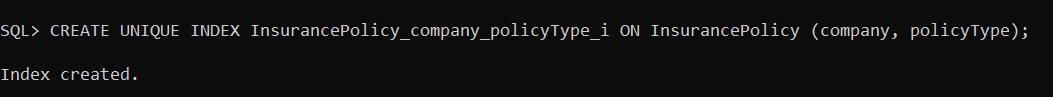
endDate DATE,

CONSTRAINT InsurancePolicy\_company\_policyType\_fk FOREIGN KEY (company, policyType) REFERENCES PolicyType (company, policyType) ON DELETE CASCADE

);



CREATE UNIQUE INDEX InsurancePolicy\_company\_policyType\_i ON InsurancePolicy (company, policyType);



InsurancePolicy ( policyNo, *company*, insuredName, *policytype*, startDate, endingDate)

policyType(company, policytype, medicalCoPay, labCoPay, pharmacyCoPay)

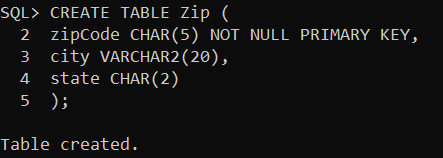
CREATE TABLE Zip (

zipCode CHAR(5) NOT NULL PRIMARY KEY,

city VARCHAR2(20),

state CHAR(2)

);



CREATE TABLE Patient (

patientNo NUMBER(9) NOT NULL PRIMARY KEY,

firstName VARCHAR2(30) NOT NULL,

lastName VARCHAR2(30) NOT NULL,

street VARCHAR2(20),

zipCode CHAR(5),

phone CHAR(10),

dateOfBirth DATE,

sex CHAR(1),

policyNo NUMBER(9),

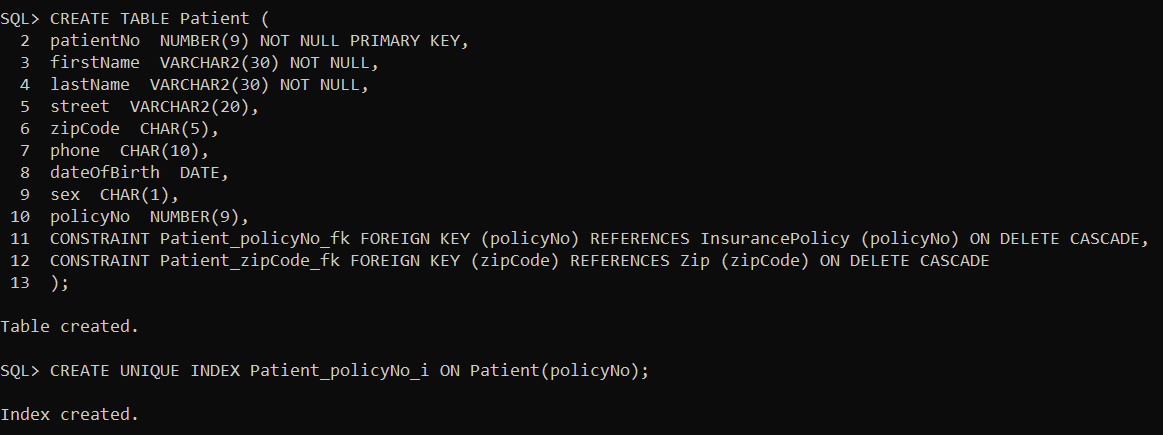
CONSTRAINT Patient\_policyNo\_fk FOREIGN KEY (policyNo) REFERENCES InsurancePolicy (policyNo) ON DELETE CASCADE,

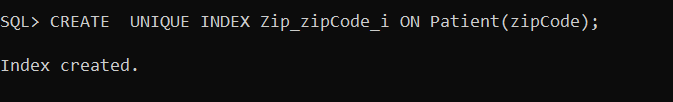
CONSTRAINT Patient\_zipCode\_fk FOREIGN KEY (zipCode) REFERENCES Zip (zipCode) ON DELETE CASCADE

);

CREATE UNIQUE INDEX Patient\_policyNo\_i ON Patient(policyNo);

CREATE UNIQUE INDEX Patient\_zipCode\_i ON Patient(zipCode);





CREATE TABLE Staff(

staffNo NUMBER(9) NOT NULL PRIMARY KEY,

firstName VARCHAR2(30) NOT NULL,

lastName VARCHAR2(30) NOT NULL,

title VARCHAR2(4) NOT NULL,

specialty VARCHAR2(30),

Street VARCHAR2(25),

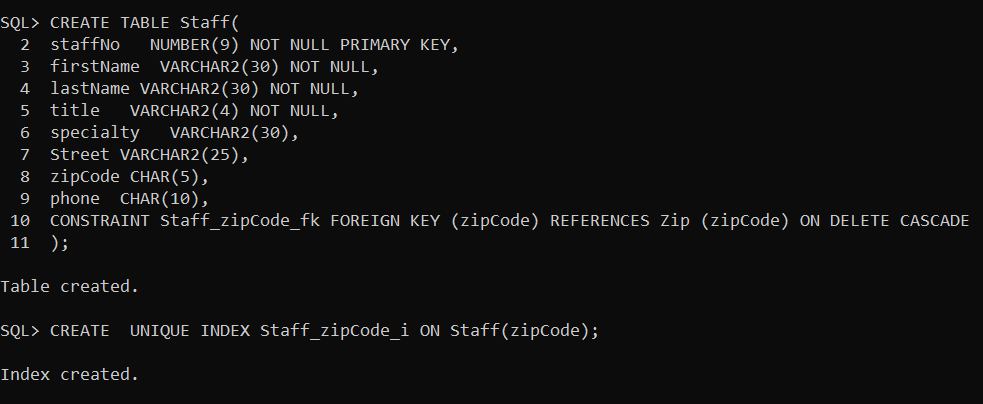
zipCode CHAR(5),

phone CHAR(10),

CONSTRAINT Staff\_zipCode\_fk FOREIGN KEY (zipCode) REFERENCES Zip (zipCode) ON DELETE CASCADE

);

CREATE UNIQUE INDEX Staff\_zipCode\_i ON Staff(zipCode);



CREATE TABLE Availability(

staffNo NUMBER(9) NOT NULL,

availDate DATE NOT NULL,

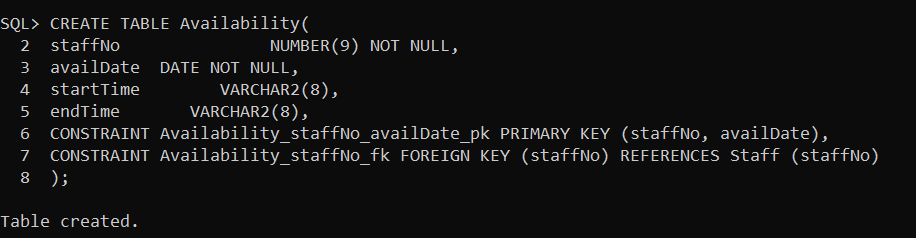
startTime    VARCHAR2(8),

endTime      VARCHAR2(8),

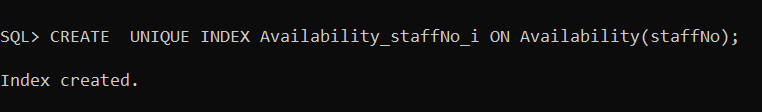
CONSTRAINT Availability\_staffNo\_availDate\_pk PRIMARY KEY (staffNo, availDate),

CONSTRAINT Availability\_staffNo\_fk FOREIGN KEY (staffNo) REFERENCES Staff (staffNo)

);



CREATE UNIQUE INDEX Availability\_staffNo\_i ON Availability(staffNo);



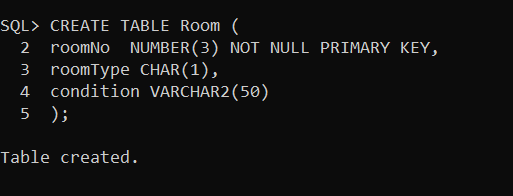
CREATE TABLE Room (

roomNo NUMBER(3) NOT NULL PRIMARY KEY,

roomType CHAR(1),

condition VARCHAR2(50)

);

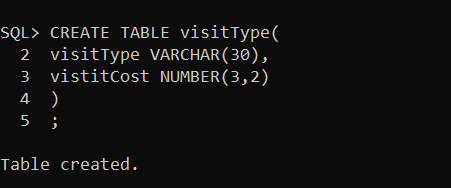


CREATE TABLE visitType(

visitType VARCHAR(30) NOT NULL PRIMARY KEY,

visitCost NUMBER(10,2)

);



CREATE TABLE Visit(

visitNo NUMBER(9) NOT NULL,

patientNo NUMBER(9) NOT NULL,

visitdate DATE,

visittime VARCHAR2(30),

duration NUMBER(2),

reason VARCHAR2(100),

visitType VARCHAR(30) NOT NULL,

staffNo NUMBER(9) NOT NULL,

roomNo NUMBER(3) NOT NULL,

CONSTRAINT Visit\_visitNo\_pk PRIMARY KEY (visitNo),

CONSTRAINT Visit\_patientNo\_fk FOREIGN KEY (patientNo) REFERENCES Patient(patientNo) ON DELETE CASCADE,

CONSTRAINT Visit\_roomNo\_fk FOREIGN KEY (roomNo) REFERENCES Room(roomNo) ON DELETE CASCADE,

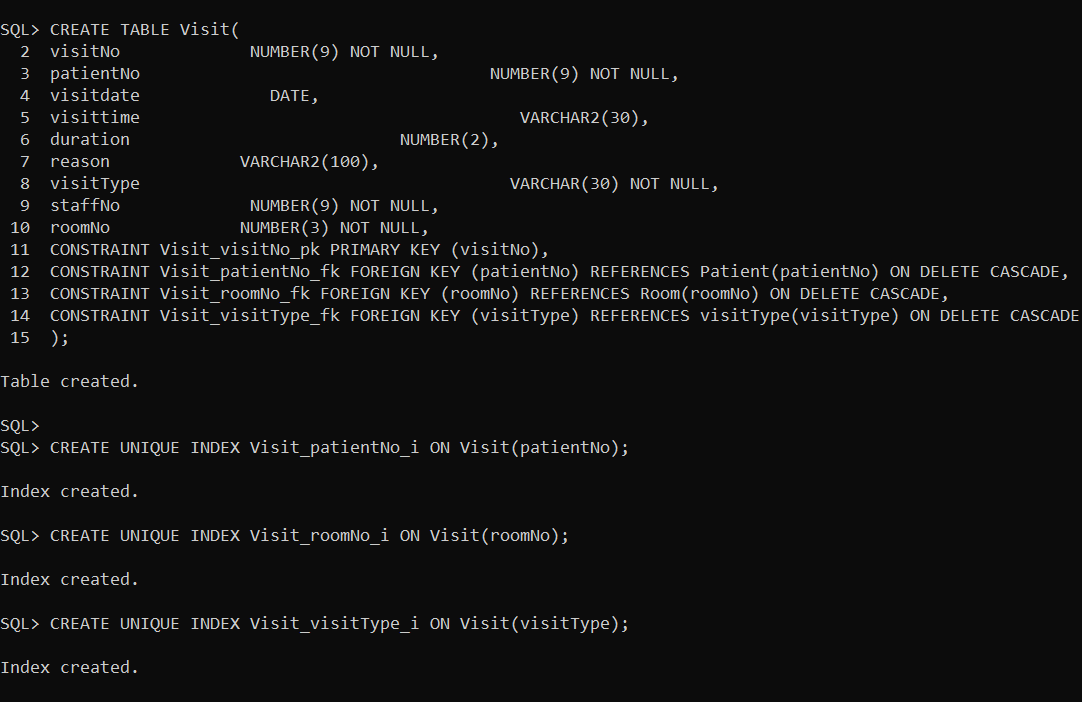
CONSTRAINT Visit\_visitType\_fk FOREIGN KEY (visitType) REFERENCES visitType(visitType) ON DELETE CASCADE

);

CREATE UNIQUE INDEX Visit\_patientNo\_i ON Visit(patientNo);

CREATE INDEX Visit\_roomNo\_i ON Visit(roomNo);

CREATE INDEX Visit\_visitType\_i ON Visit(visitType);



CREATE TABLE Appointment(

patientNo NUMBER(9) NOT NULL,

apptDate DATE NOT NULL,

apptTime VARCHAR(30) NOT NULL,

reason VARCHAR2(50),

staffNo NUMBER(9) NOT NULL,

visitNo NUMBER(9),

CONSTRAINT Appointment\_patientNo\_apptdate\_pk PRIMARY KEY (patientNo, apptdate),

CONSTRAINT Appointment\_patientNo\_fk FOREIGN KEY (patientNo) REFERENCES Patient(patientNo) ON DELETE CASCADE,

CONSTRAINT Appointment\_staffNo\_fk FOREIGN KEY (staffNo) REFERENCES Staff(staffNo) ON DELETE CASCADE,

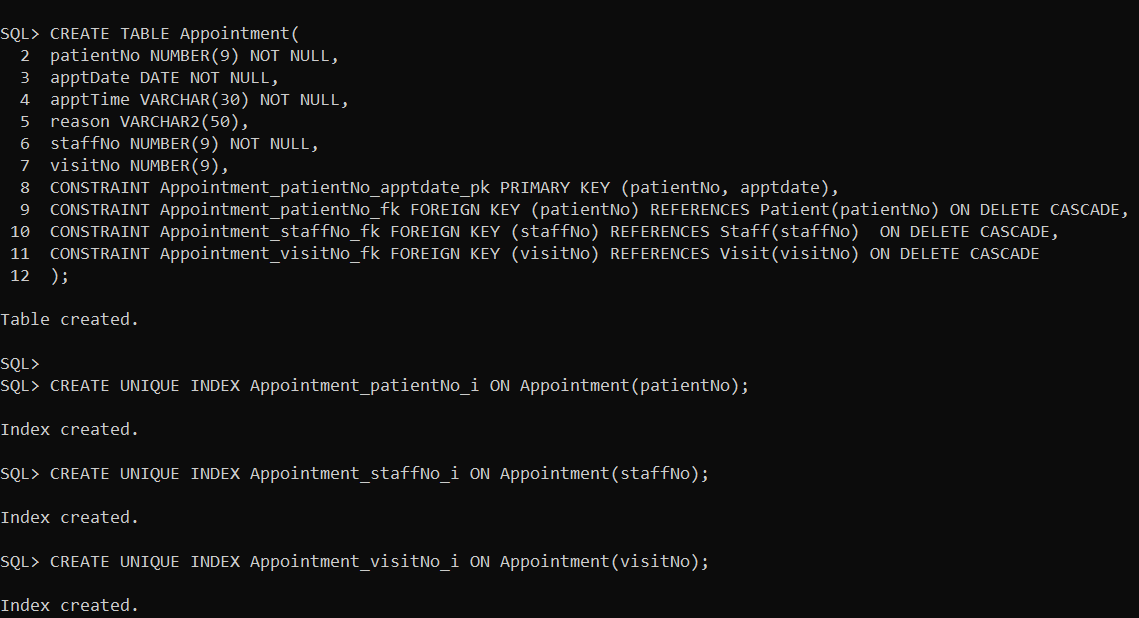
CONSTRAINT Appointment\_visitNo\_fk FOREIGN KEY (visitNo) REFERENCES Visit(visitNo) ON DELETE CASCADE

);

CREATE INDEX Appointment\_patientNo\_i ON Appointment(patientNo);

CREATE INDEX Appointment\_staffNo\_i ON Appointment(staffNo);

CREATE UNIQUE INDEX Appointment\_visitNo\_i ON Appointment(visitNo);



CREATE TABLE Referral (

refNo NUMBER(6) NOT NULL PRIMARY KEY,

visitNo NUMBER(6) NOT NULL,

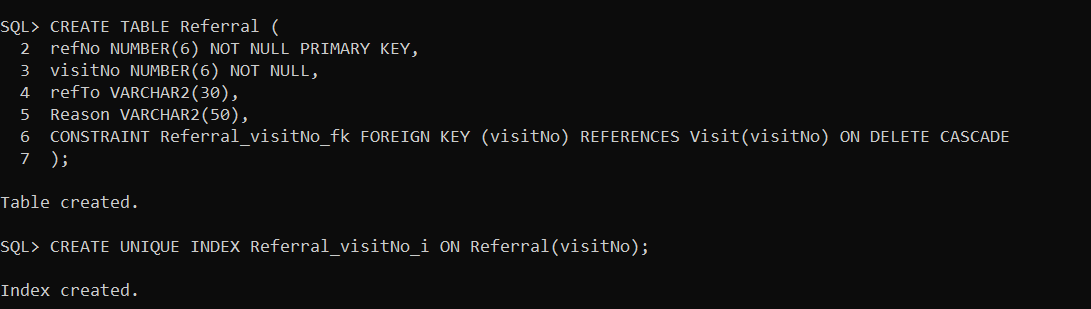
refTo VARCHAR2(30),

Reason VARCHAR2(50),

CONSTRAINT Referral\_visitNo\_fk FOREIGN KEY (visitNo) REFERENCES Visit(visitNo) ON DELETE CASCADE

);

CREATE UNIQUE INDEX Referral\_visitNo\_i ON Referral(visitNo);



CREATE TABLE Bill (

invoiceNo NUMBER(9) NOT NULL PRIMARY KEY,

billDate DATE ,

totalAmount NUMBER(9, 2),

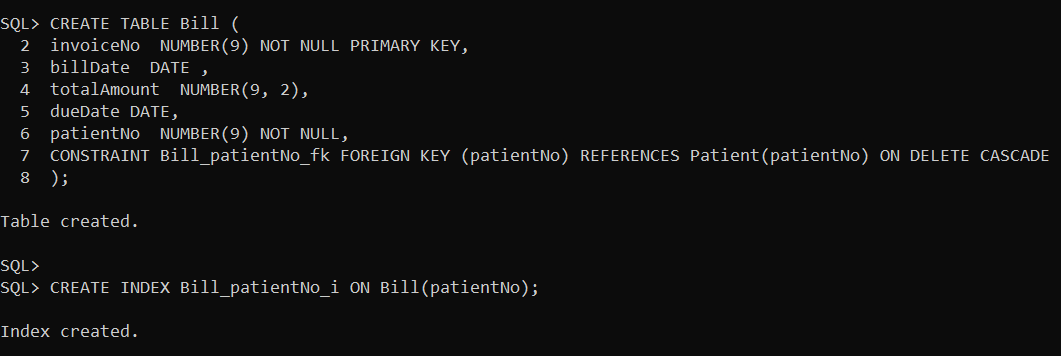
dueDate DATE,

patientNo NUMBER(9) NOT NULL,

CONSTRAINT Bill\_patientNo\_fk FOREIGN KEY (patientNo) REFERENCES Patient(patientNo) ON DELETE CASCADE

);

CREATE INDEX Bill\_patientNo\_i ON Bill(patientNo);



CREATE TABLE Charge(

invoiceNo NUMBER(9) NOT NULL,

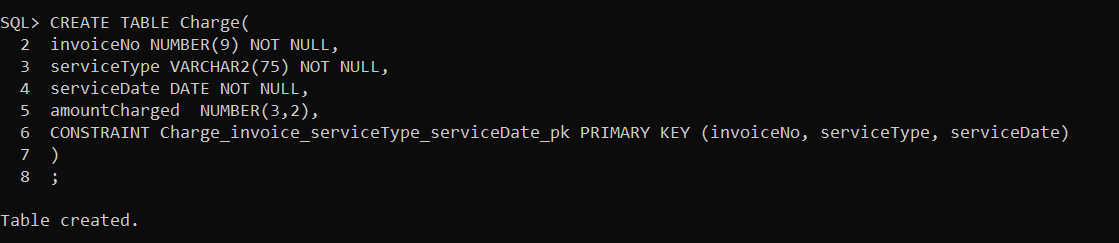
serviceType VARCHAR2(75) NOT NULL,

serviceDate DATE NOT NULL,

amountCharged NUMBER(3,2),

CONSTRAINT Charge\_invoice\_serviceType\_serviceDate\_pk PRIMARY KEY (invoiceNo, serviceType, serviceDate)

);

  
  
  
CREATE TABLE Payment (

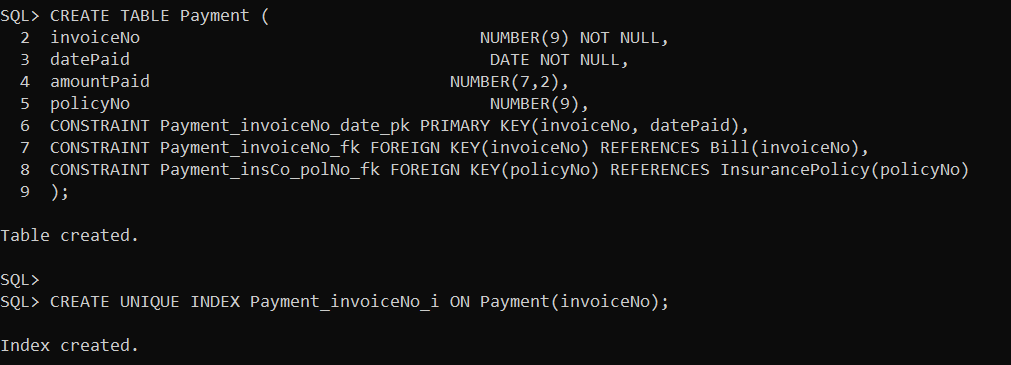
invoiceNo NUMBER(9) NOT NULL,  
datePaid DATE NOT NULL,   
amountPaid NUMBER(9,2),  
policyNo NUMBER(9),

CONSTRAINT Payment\_invoiceNo\_date\_pk PRIMARY KEY(invoiceNo, datePaid),

CONSTRAINT Payment\_invoiceNo\_fk FOREIGN KEY(invoiceNo) REFERENCES Bill(invoiceNo),

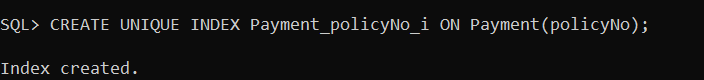
CONSTRAINT Payment\_insCo\_polNo\_fk FOREIGN KEY(policyNo) REFERENCES InsurancePolicy(policyNo)

);



CREATE UNIQUE INDEX Payment\_invoiceNo\_i ON Payment(invoiceNo);

CREATE UNIQUE INDEX Payment\_policyNo\_i ON Payment(policyNo);

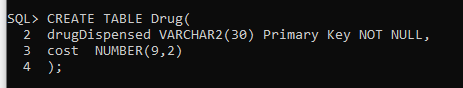


CREATE TABLE Drug(

drugDispensed VARCHAR2(30) Primary Key NOT NULL,

cost NUMBER(9,2)

);

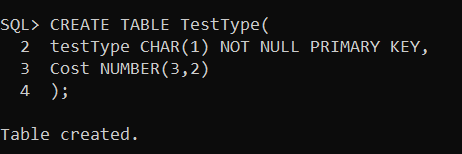


CREATE TABLE TestType(

testType CHAR(1) NOT NULL PRIMARY KEY,

Cost NUMBER(10,2)

);

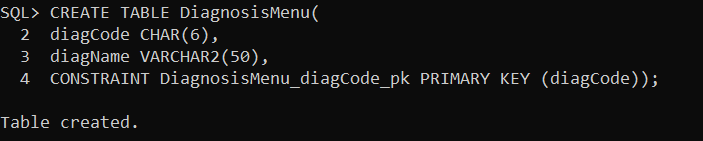


CREATE TABLE DiagnosisMenu (

diagCode CHAR(6),

diagName VARCHAR2(50),

CONSTRAINT DiagnosisMenu\_diagCode\_pk PRIMARY KEY (diagCode));



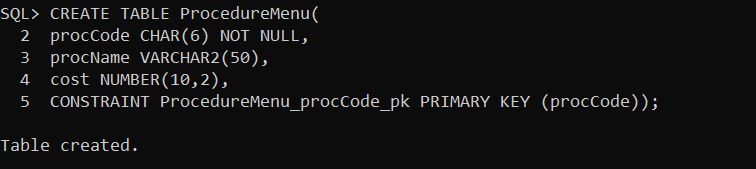
CREATE TABLE ProcedureMenu (

procCode CHAR(6) NOT NULL,

procName VARCHAR2(50),

cost NUMBER(10,2),

CONSTRAINT ProcedureMenu\_procCode\_pk PRIMARY KEY (procCode));



CREATE TABLE PrescriptionScript (

scriptNo NUMBER(9),

visitNo NUMBER(9),

dateWritten DATE,

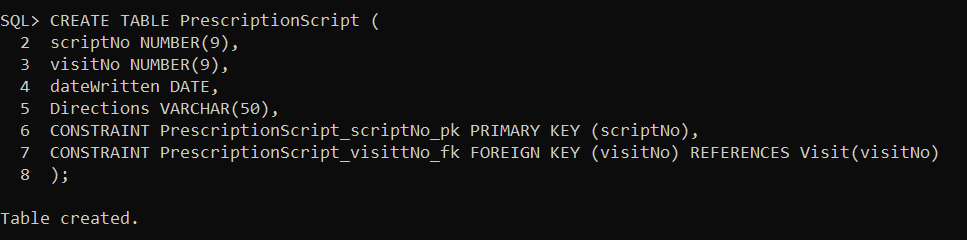
Directions VARCHAR(50),

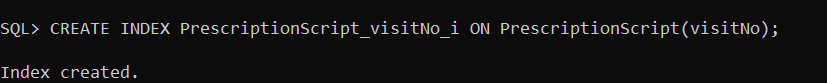
CONSTRAINT PrescriptionScript\_scriptNo\_pk PRIMARY KEY (scriptNo),

CONSTRAINT PrescriptionScript\_visittNo\_fk FOREIGN KEY (visitNo) REFERENCES Visit(visitNo)

);

CREATE INDEX PrescriptionScript\_visitNo\_i ON PrescriptionScript(visitNo);





CREATE TABLE PrescriptionMedication (

RXNumber NUMBER(9) NOT NULL PRIMARY KEY,

scriptNo NUMBER(9),

drugDispensed VARCHAR2(30),

dateDnispensed DATE,

quantityPrescribed NUMBER(3),

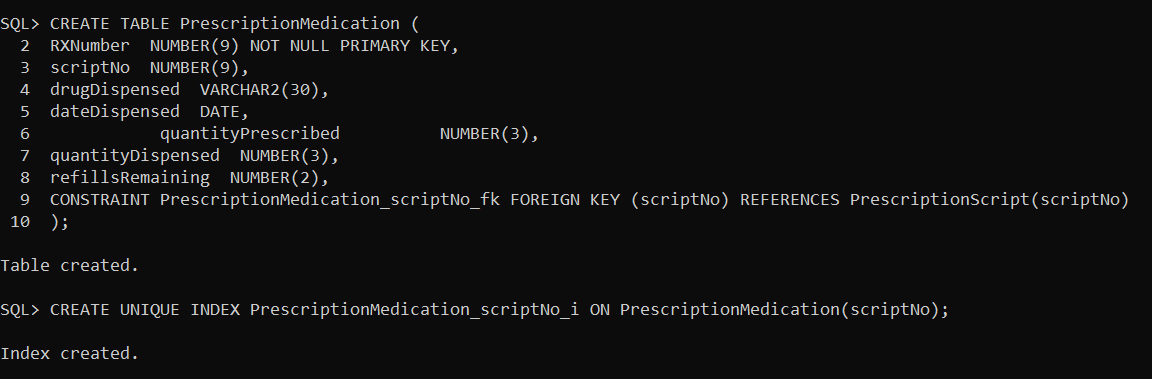
quantityDispensed NUMBER(3),

refillsRemaining NUMBER(2),

CONSTRAINT PrescriptionMedication\_scriptNo\_fk FOREIGN KEY (scriptNo) REFERENCES PrescriptionScript(scriptNo)

);

CREATE INDEX PrescriptionMedication\_scriptNo\_i ON PrescriptionMedication(scriptNo);



CREATE TABLE LabTest (

testNo NUMBER(9) NOT NULL,

RXNumber NUMBER(9) NOT NULL,

testType CHAR(1),

testDate DATE,

testTime VARCHAR2(30),

cost NUMBER(9,2),

result VARCHAR2(30),

CONSTRAINT LabTest\_testNo\_pk PRIMARY KEY (testNo),

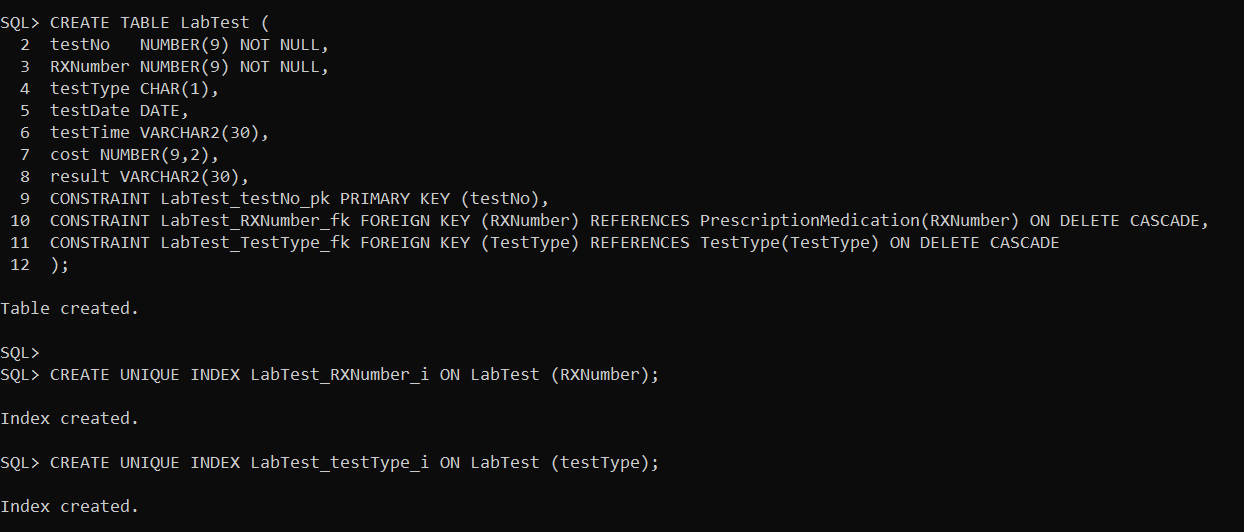
CONSTRAINT LabTest\_RXNumber\_fk FOREIGN KEY (RXNumber) REFERENCES PrescriptionMedication(RXNumber) ON DELETE CASCADE,

CONSTRAINT LabTest\_TestType\_fk FOREIGN KEY (TestType) REFERENCES TestType(TestType) ON DELETE CASCADE

);

CREATE UNIQUE INDEX LabTest\_RXNumber\_i ON LabTest (RXNumber);

CREATE UNIQUE INDEX LabTest\_testType\_i ON LabTest (testType);



CREATE TABLE ProcedurePerformed (

visitNo NUMBER(6) NOT NULL,

procCode CHAR(6) NOT NULL,

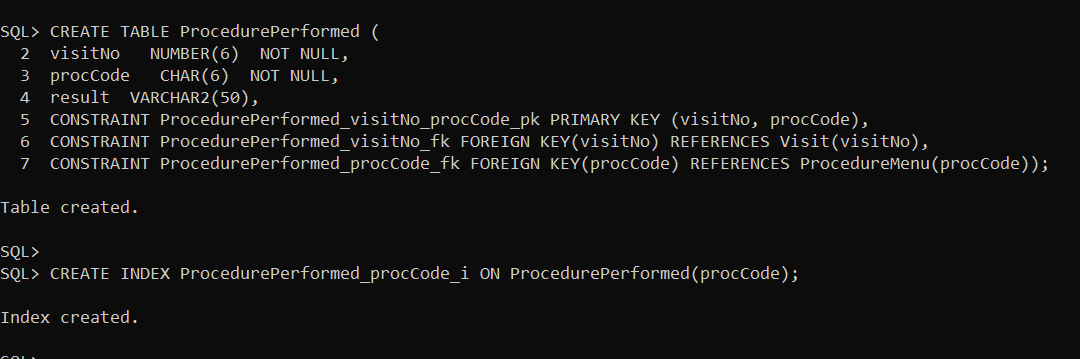
result VARCHAR2(50),

CONSTRAINT ProcedurePerformed\_visitNo\_procCode\_pk PRIMARY KEY (visitNo, procCode),

CONSTRAINT ProcedurePerformed\_visitNo\_fk FOREIGN KEY(visitNo) REFERENCES Visit(visitNo),

CONSTRAINT ProcedurePerformed\_procCode\_fk FOREIGN KEY(procCode) REFERENCES ProcedureMenu(procCode));

CREATE INDEX ProcedurePerformed\_procCode\_i ON ProcedurePerformed(procCode);



CREATE TABLE Diagnosis (

visitNo NUMBER(6) NOT NULL,

diagCode CHAR(6) NOT NULL,

dateOnset DATE,

symptoms VARCHAR2(50),

Severity NUMBER(2),

Prognosis VARCHAR(50),

CONSTRAINT Diagnosis\_visitNo\_diagCode\_pk PRIMARY KEY(visitNo, diagCode),

CONSTRAINT Diagnosis\_visitNo\_fk FOREIGN KEY (visitNo) REFERENCES Visit (visitNo),

CONSTRAINT Diagnosis\_diagCode\_fk FOREIGN KEY (diagCode) REFERENCES DiagnosisMenu (diagCode));

CREATE UNIQUE INDEX Diagnosis\_visitNo\_i ON Diagnosis (visitNo);

CREATE UNIQUE INDEX Diagnosis\_diagCode\_i ON Diagnosis (diagCode);

