

DDL For The Four Models

ALSO IN .TXT FILE PROVIDED

DDL for the Patient Medical Care Management (Edited and Runs)

rollback;

commit;

-- DDL for Patient Medical Care Management Application

--Drop Sequences

DROP SEQUENCE patient_id_seq;

DROP SEQUENCE insurance_provider_id_seq;

DROP SEQUENCE medical_record_id_seq;

DROP SEQUENCE room_id_seq;

DROP SEQUENCE doctor_id_seq;

DROP SEQUENCE bill_id_seq;

DROP SEQUENCE visit_id_seq;

DROP SEQUENCE bill_details_id_seq;

DROP SEQUENCE insurance_details_id_seq;

--Drop Tables

DROP TABLE Insurance_Details;

DROP TABLE Insurance_Providers;

DROP TABLE Bill_Details;

DROP TABLE Visits;

DROP TABLE Bills;

DROP TABLE Rooms;

DROP TABLE Patients;

DROP TABLE Doctors;

DROP TABLE Medical_Records;

--Create Sequences

CREATE SEQUENCE patient_id_seq;

CREATE SEQUENCE insurance_provider_id_seq;

CREATE SEQUENCE insurance_details_id_seq;

```
CREATE SEQUENCE medical_record_id_seq;
```

```
CREATE SEQUENCE room_id_seq;
```

```
CREATE SEQUENCE doctor_id_seq;
```

```
CREATE SEQUENCE bill_id_seq;
```

```
CREATE SEQUENCE visit_id_seq;
```

```
CREATE SEQUENCE bill_details_id_seq;
```

```
--Create Tables
```

```
CREATE TABLE Medical_Records (
```

```
    Medical_Record_ID NUMBER DEFAULT medical_record_id_seq.NEXTVAL PRIMARY KEY,
```

```
    EMR_ID VARCHAR(12) NOT NULL UNIQUE
```

```
);
```

```
CREATE TABLE Patients (
```

```
    Patient_ID NUMBER DEFAULT patient_id_seq.NEXTVAL PRIMARY KEY,
```

```
    Medical_Record_ID NUMBER REFERENCES Medical_Records (Medical_Record_ID),
```

```
    First_Name VARCHAR(20) NOT NULL,
```

```
    Last_Name VARCHAR(30) NOT NULL,
```

```
    Email VARCHAR (40) NOT NULL UNIQUE,
```

```
    Phone CHAR(12) NOT NULL,
```

```
    Street_Address VARCHAR(50) NOT NULL,
```

```
    City VARCHAR(50) NOT NULL,
```

```
    State CHAR(20) NOT NULL,
```

```
    Zip CHAR(5) NOT NULL,
```

```
    Birthdate DATE
```

```
);
```

```
CREATE TABLE Insurance_Providers (
```

```
    Insurance_ID NUMBER DEFAULT insurance_provider_id_seq.NEXTVAL PRIMARY KEY,
```

```
    Provider_Name CHAR(40) NOT NULL,
```

```
    Provider_Phone_Number NUMBER(12) NOT NULL
```

```
);
```

```
CREATE TABLE Insurance_Details (  
    Insurance_Details_ID NUMBER DEFAULT insurance_details_id_seq.NEXTVAL PRIMARY KEY,  
    Insurance_ID NUMBER REFERENCES Insurance_Providers (Insurance_ID),  
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),  
    Group_Number NUMBER (7) NOT NULL,  
    Coverage_Date DATE NOT NULL,  
    Identification_Number VARCHAR(12) NOT NULL,  
    First_Name CHAR (20) NOT NULL,  
    Last_Name CHAR (20) NOT NULL  
);
```

```
CREATE TABLE Bills (  
    Bill_ID NUMBER DEFAULT bill_id_seq.NEXTVAL PRIMARY KEY,  
    Bill_Total NUMBER NOT NULL,  
    last_name CHAR (20) NOT NULL,  
    Bill_Status CHAR(2) NOT NULL,  
    Bill_Issued_Date DATE NOT NULL,  
    Bill_Notes VARCHAR(100),  
    CONSTRAINT bill_status_ck CHECK (Bill_Status = 'P' OR Bill_Status = 'NP' OR Bill_Status ='V')  
);
```

```
CREATE TABLE Bill_Details (  
    Bill_Details_ID NUMBER DEFAULT bill_details_id_seq.NEXTVAL PRIMARY KEY,  
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),  
    Bill_ID NUMBER REFERENCES Bills (Bill_ID)  
);
```

```
CREATE TABLE Rooms (  
    Room_ID NUMBER DEFAULT room_id_seq.NEXTVAL PRIMARY KEY,  
    Room_Number NUMBER NOT NULL,  
    Room_Floor NUMBER NOT NULL  
);
```

```

CREATE TABLE Doctors (
    Doctor_ID NUMBER DEFAULT doctor_id_seq.NEXTVAL PRIMARY KEY,
    First_Name CHAR (20) NOT NULL,
    Last_Name CHAR (20) NOT NULL,
    Specialty CHAR(50) NOT NULL
);

```

```

CREATE TABLE Visits (
    Visit_ID NUMBER DEFAULT visit_id_seq.NEXTVAL PRIMARY KEY,
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),
    Bill_ID NUMBER REFERENCES Bills (Bill_ID),
    Doctor_ID NUMBER REFERENCES Doctors (Doctor_ID),
    Room_ID NUMBER REFERENCES Rooms (Room_ID),
    Reason VARCHAR(200) NOT NULL,
    Diagnosis VARCHAR(150) NOT NULL,
    Follow_Up_Date DATE
);

```

--Insert Statements

```

insert into Medical_Records (Medical_Record_ID, EMR_ID) values (1, 'pSvbK5X');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (2, 'zSvMEpU8k4x8');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (3, 'yGKDaF');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (4, 'IXzN2cvU');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (5, 'r1BgwUZ1oFK');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (6, 'wOuUUuTdG0e');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (7, 'Q8IehBjbrQtq');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (8, 'enc24o');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (9, '4quQFo');
insert into Medical_Records (Medical_Record_ID, EMR_ID) values (10, 'kAnSIFLHAh');

```

```

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone,
Street_Address, City, State, Zip, Birthdate) values (1, 1, 'Sonny', 'Dracksford', 'sdracksford0@nasa.gov',
'2021724077', '52 Kim Park', 'Washington', 'District of Columbia', '20073', '19-Jul-2008');

```

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (2, 2, 'Harlen', 'Kiellor', 'hkiellor1@mashable.com', '9415184795', '5 Upham Alley', 'Bradenton', 'Florida', '34282', '12-Mar-2012');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (3, 3, 'Grace', 'Kmicicki', 'gkmicicki2@clickbank.net', '3021898195', '829 Little Fleur Terrace', 'Wilmington', 'Delaware', '19810', '12-Sep-2002');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (4, 4, 'Rhianna', 'Laux', 'rlaux3@drupal.org', '5033524166', '228 Troy Pass', 'Salem', 'Oregon', '97306', '16-Nov-2001');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (5, 5, 'Edi', 'Cinelli', 'ecinelli4@ning.com', '6177235093', '8013 Acker Park', 'Cambridge', 'Massachusetts', '02142', '22-Aug-2005');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (6, 6, 'Rasia', 'Frisch', 'rfrisch5@prnewswire.com', '4075356904', '2 Cody Street', 'Orlando', 'Florida', '32813', '06-May-2006');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (7, 7, 'Petr', 'Casari', 'pcasari6@cmu.edu', '7121708144', '2 Johnson Center', 'Sioux City', 'Iowa', '51105', '15-Jan-1997');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (8, 8, 'Merola', 'Ricards', 'mricards7@cargocollective.com', '4028521750', '59781 Grayhawk Alley', 'Lincoln', 'Nebraska', '68517', '09-Mar-2014');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (9, 9, 'Valentin', 'Paulucci', 'vpaulucci8@weibo.com', '2815169207', '639 Golf Course Junction', 'Houston', 'Texas', '77050', '04-Feb-2010');

insert into Patients (Patient_ID, Medical_Record_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (10, 10, 'Giralda', 'Benez', 'gbenez9@bloglines.com', '5854217793', '68 Russell Way', 'Rochester', 'New York', '14609', '10-Feb-2008');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (1, 'Casper-Lemke', '2694952681');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (2, 'Durgan, Grant and Schulist', '2434642404');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (3, 'Pfeffer Inc', '8147465916');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (4, 'Lindgren Inc', '2837467320');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (5, 'Bergstrom, Schinner and Emard', '2715423059');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (6, 'Ferry, Goldner and Fadel', '3601212264');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (7, 'Pagac Group', '3692600773');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (8, 'Rippin, Will and Carroll', '3736998675');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (9, 'Mosciski-Stiedemann', '3061992817');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (10, 'Leuschke LLC', '8455990029');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (1, 1, 1, 1415442, '12-Jun-2018', 'VQjflHKZGaJ', 'Gertrude', 'Deek');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (2, 2, 2, 1986721, '13-Sep-2019', 'ncVuyMEy', 'Dante', 'Eydel');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (3, 3, 3, 1343412, '19-May-2022', 'KEvi46IU9', 'Lindsey', 'Towler');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (4, 4, 4, 1133842, '01-Jul-2020', 'dp2a5Rcyo', 'Tommie', 'Touret');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (5, 5, 5, 1187626, '23-Apr-2011', 'POAyxaCl', 'Annadiane', 'Mityakov');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (6, 6, 6, 1421703, '03-Aug-2018', 'c20YEjtX', 'Mommy', 'Dullaghan');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (7, 7, 7, 1342114, '28-Jan-2015', 'i6zNh681SVia', 'Brad', 'Iffland');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (8, 8, 8, 1525102, '21-Jul-2022', 'kGapEg', 'Vivianna', 'Carr');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (9, 9, 9, 1084080, '29-Oct-2015', 'ISkp4jxq', 'Maximilian', 'Shrieve');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (10, 10, 10, 1701087, '29-Nov-2014', 'IJeYzKVq', 'Dominique', 'Burdin');

```

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (1,
7273.31, 'Atwater', 'P', '23-Feb-2021', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (2,
9174.26, 'De Ferrari', 'V', '03-May-2021', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (3,
8278.68, 'Birchwood', 'V', '31-Jan-2020', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (4,
1284.18, 'Banks', 'P', '23-Jul-2021', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (5,
6191.69, 'Gabbott', 'NP', '25-Jan-2020', 'Waiting on insurance.');
```

```

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (6,
8196.13, 'Pottell', 'V', '04-Sep-2021', 'Bounced check. Contact patient.');
```

```

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (7, 768.08,
'Johnikin', 'V', '14-Apr-2021', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (8,
3721.27, 'Semour', 'NP', '04-Jun-2020', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (9, 509.5,
'Moules', 'NP', '29-Sep-2021', null);

insert into Bills (Bill_ID, Bill_Total, last_name, Bill_Status, Bill_Issued_Date, Bill_Notes) values (10,
8854.89, 'Clethro', 'P', '10-Jul-2021', 'Waiting on insurance.');
```

```

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (1, 1, 1);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (2, 2, 2);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (3, 3, 3);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (4, 4, 4);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (5, 5, 5);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (6, 6, 6);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (7, 7, 7);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (8, 8, 8);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (9, 9, 9);

insert into Bill_Details (Bill_Details_ID, Patient_ID, Bill_ID) values (10, 10, 10);
```

```

insert into Rooms (Room_ID, Room_Number, Room_Floor) values (1, 300, 3);

insert into Rooms (Room_ID, Room_Number, Room_Floor) values (2, 387, 3);

insert into Rooms (Room_ID, Room_Number, Room_Floor) values (3, 397, 3);

insert into Rooms (Room_ID, Room_Number, Room_Floor) values (4, 255, 2);
```

insert into Rooms (Room_ID, Room_Number, Room_Floor) values (5, 149, 1);
insert into Rooms (Room_ID, Room_Number, Room_Floor) values (6, 403, 4);
insert into Rooms (Room_ID, Room_Number, Room_Floor) values (7, 291, 2);
insert into Rooms (Room_ID, Room_Number, Room_Floor) values (8, 175, 1);
insert into Rooms (Room_ID, Room_Number, Room_Floor) values (9, 498, 4);
insert into Rooms (Room_ID, Room_Number, Room_Floor) values (10, 316, 3);

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (1, 'Dorree', 'Govern', 'Allergy and immunology');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (2, 'Porty', 'Hallgate', 'Anesthesiology');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (3, 'Antonius', 'Liquorish', 'Emergency medicine');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (4, 'Jenny', 'Crommett', 'Family medicine');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (5, 'Minny', 'D''orsay', 'Family medicine');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (6, 'Ashien', 'Burgen', 'Emergency medicine');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (7, 'Bjorn', 'Charge', 'Family medicine');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (8, 'Niko', 'Pilkinton', 'Anesthesiology');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (9, 'Dimitri', 'Flott', 'Emergency medicine');

insert into Doctors (Doctor_ID, First_Name, Last_Name, Specialty) values (10, 'Adolph', 'Markussen', 'Emergency medicine');

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date) values (1, 1, 1, 1, 1, 'Quisque porta volutpat erat.', 'Proin risus.', '03-Dec-2021');

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date) values (2, 2, 2, 2, 2, 'Fusce posuere felis sed lacus. Morbi sem mauris, laoreet ut, rhoncus aliquet, pulvinar sed, nisl.', 'Curabitur in libero ut massa volutpat convallis. Morbi odio odio, elementum eu, interdum eu, tincidunt in, leo.', null);

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date) values (3, 3, 3, 3, 3, 'Phasellus id sapien in sapien iaculis congue.', 'Proin eu mi.', null);

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (4, 4, 4, 4, 4, 'Cras in purus eu magna vulputate luctus. Cum sociis natoque penatibus et magnis
dis parturient montes, nascetur ridiculus mus.', 'Praesent blandit lacinia erat.', null);

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (5, 5, 5, 5, 5, 'Aenean fermentum. Donec ut mauris eget massa tempor convallis.', 'Integer pede
justo, lacinia eget, tincidunt eget, tempus vel, pede.', null);

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (6, 6, 6, 6, 6, 'Ut at dolor quis odio consequat varius. Integer ac leo.', 'Curabitur at ipsum ac tellus
semper interdum.', '14-Nov-2021');

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (7, 7, 7, 7, 7, 'Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin risus.', 'Lorem ipsum
dolor sit amet, consectetur adipiscing elit.', '13-Nov-2021');

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (8, 8, 8, 8, 8, 'Mauris lacinia sapien quis libero.', 'Nullam molestie nibh in lectus.', '16-Nov-2021');

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (9, 9, 9, 9, 9, 'Donec vitae nisi. Nam ultrices, libero non mattis pulvinar, nulla pede ullamcorper
augue, a suscipit nulla elit ac nulla.', 'Aenean sit amet justo.', null);

insert into Visits (Visit_ID, Patient_ID, Bill_ID, Doctor_ID, Room_ID, Reason, Diagnosis, Follow_Up_Date)
values (10, 10, 10, 10, 10, 'Morbi vel lectus in quam fringilla rhoncus.', 'Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Proin interdum mauris non ligula pellentesque ultrices.', '15-Nov-2021');

DDL For Patient Medication Management (Edited and Runs):

ROLLBACK;

commit;

-- DDL For Medication Management App

--Drop sequences and Tables

DROP SEQUENCE patient_id_seq;

DROP SEQUENCE pharmacy_id_seq;

DROP SEQUENCE medications_id_seq;

DROP SEQUENCE pharmacy_details_id_seq;

DROP SEQUENCE insurance_provider_id_seq;

DROP SEQUENCE insurance_details_id_seq;

DROP SEQUENCE medication_details_id_seq;

```
DROP TABLE Insurance_Details;
DROP TABLE Medication_Details;
DROP TABLE Pharmacy_Details;
DROP TABLE Insurance_Providers;
DROP TABLE Patients;
DROP TABLE Pharmacies;
DROP TABLE Medications;
```

--Create Sequences

```
CREATE SEQUENCE patient_id_seq;
CREATE SEQUENCE pharmacy_id_seq;
CREATE SEQUENCE pharmacy_details_id_seq;
CREATE SEQUENCE medications_id_seq;
CREATE SEQUENCE insurance_provider_id_seq;
CREATE SEQUENCE insurance_details_id_seq;
CREATE SEQUENCE medication_details_id_seq;
```

--Create Tables

```
CREATE TABLE Pharmacies (
    Pharmacy_ID NUMBER DEFAULT pharmacy_id_seq.NEXTVAL PRIMARY KEY,
    Pharmacy_Name CHAR(50) NOT NULL,
    Email VARCHAR (40) NOT NULL UNIQUE,
    Phone CHAR(12) NOT NULL,
    Street_Address VARCHAR(50) NOT NULL,
    City VARCHAR(50) NOT NULL,
    State CHAR(30) NOT NULL,
    Zip CHAR(5) NOT NULL,
    Notes VARCHAR(50)
);
```

```
CREATE TABLE Patients (
    Patient_ID NUMBER DEFAULT patient_id_seq.NEXTVAL PRIMARY KEY,
```

```
Pharmacy_ID NUMBER REFERENCES Pharmacies (Pharmacy_ID),  
First_Name VARCHAR(20) NOT NULL,  
Last_Name VARCHAR(30) NOT NULL,  
Email VARCHAR (40) NOT NULL UNIQUE,  
Phone CHAR(12) NOT NULL,  
Street_Address VARCHAR(50) NOT NULL,  
City VARCHAR(50) NOT NULL,  
State CHAR(30) NOT NULL,  
Zip CHAR(5) NOT NULL,  
Birthdate DATE  
);
```

```
CREATE TABLE Insurance_Providers (  
    Insurance_ID NUMBER DEFAULT insurance_provider_id_seq.NEXTVAL PRIMARY KEY,  
    Provider_Name CHAR(40) NOT NULL,  
    Provider_Phone_Number NUMBER(12) NOT NULL  
);
```

```
CREATE TABLE Insurance_Details (  
    Insurance_Details_ID NUMBER DEFAULT insurance_details_id_seq.NEXTVAL PRIMARY KEY,  
    Insurance_ID NUMBER REFERENCES Insurance_Providers (Insurance_ID),  
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),  
    Group_Number NUMBER (8) NOT NULL,  
    Coverage_Date DATE NOT NULL,  
    Identification_Number VARCHAR(12) NOT NULL,  
    First_Name CHAR (20) NOT NULL,  
    Last_Name CHAR (20) NOT NULL  
);
```

```
CREATE TABLE Pharmacy_Details (  
    Pharmacy_Details_ID NUMBER DEFAULT pharmacy_details_id_seq.NEXTVAL PRIMARY KEY,
```

```
Pharmacy_ID NUMBER REFERENCES Pharmacies (Pharmacy_ID),
Patient_ID NUMBER REFERENCES Patients (Patient_ID)
);
```

```
CREATE TABLE Medications (
    Medication_ID NUMBER DEFAULT medications_id_seq.NEXTVAL PRIMARY KEY,
    Medication_Name VARCHAR(75) NOT NULL
);
```

```
CREATE TABLE Medication_Details (
    Medication_Details_ID NUMBER DEFAULT medication_details_id_seq.NEXTVAL PRIMARY KEY,
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),
    Medication_ID NUMBER REFERENCES Medications (Medication_ID),
    Dosage VARCHAR(50) NOT NULL,
    Quantity NUMBER NOT NULL,
    Number_Of_Refills NUMBER NOT NULL,
    Notes VARCHAR(50)
);
```

--Insert Data

--Pharmacy Data

```
INSERT INTO Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip,
Notes) values (1, 'Willms-Becker', 'bhorley0@deviantart.com', '9125015597', '06 Bellgrove Circle',
'Savannah', 'Georgia', '31416', null);
```

```
insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip,
Notes) values (2, 'Crooks, Kutch and Kuhn', 'sridoutt1@umn.edu', '2022779454', '280 Redwing Point',
'Washington', 'District of Columbia', '20205', null);
```

```
insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip,
Notes) values (3, 'Zulauf, Vandervort and Dooley', 'lwarrier2@1und1.de', '3142140043', '2579 Carey
Point', 'Saint Louis', 'Missouri', '63196', null);
```

```
insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip,
Notes) values (4, 'Gerhold LLC', 'fcollumbine3@usda.gov', '5595100100', '82408 Pleasure Crossing',
'Fresno', 'California', '93715', null);
```

```
insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip,
Notes) values (5, 'Botsford and Sons', 'adonaghy4@diigo.com', '7608699710', '7836 Buell Pass', 'Orange',
'California', '92668', null);
```

insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip, Notes) values (6, 'Fahey, O''Kon and Johnston', 'abratten5@java.com', '2124415448', '85 Canary Drive', 'New York City', 'New York', '10039', null);

insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip, Notes) values (7, 'Gerlach-Stamm', 'cspilling6@xrea.com', '5188952673', '28798 Debra Lane', 'Schenectady', 'New York', '12325', null);

insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip, Notes) values (8, 'Lueilwitz Inc', 'mbusain7@godaddy.com', '9036539301', '0654 Lawn Place', 'Tyler', 'Texas', '75710', null);

insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip, Notes) values (9, 'Langworth, Wilderman and Hegmann', 'kclearley8@archive.org', '9157433099', '7 Westerfield Place', 'El Paso', 'Texas', '88530', null);

insert into Pharmacies (Pharmacy_ID, Pharmacy_Name, email, Phone, Street_Address, City, State, Zip, Notes) values (10, 'Wolff and Sons', 'dlush9@timesonline.co.uk', '6098155614', '678 Springs Trail', 'Trenton', 'New Jersey', '08603', null);

--Patient Data

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (1, 1, 'Sonny', 'Dracksford', 'sdracksford0@nasa.gov', '2021724077', '52 Kim Park', 'Washington', 'District of Columbia', '20073', '19-Jul-2008');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (2, 2, 'Harlen', 'Kiellor', 'hkiellor1@mashable.com', '9415184795', '5 Upham Alley', 'Bradenton', 'Florida', '34282', '12-Mar-2012');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (3, 3, 'Grace', 'Kmicicki', 'gkmicicki2@clickbank.net', '3021898195', '829 Little Fleur Terrace', 'Wilmington', 'Delaware', '19810', '12-Sep-2002');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (4, 4, 'Rhianna', 'Laux', 'rlaux3@drupal.org', '5033524166', '228 Troy Pass', 'Salem', 'Oregon', '97306', '16-Nov-2001');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (5, 5, 'Edi', 'Cinelli', 'ecinelli4@ning.com', '6177235093', '8013 Acker Park', 'Cambridge', 'Massachusetts', '02142', '22-Aug-2005');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (6, 6, 'Rasia', 'Frisch', 'rfrisch5@prnewswire.com', '4075356904', '2 Cody Street', 'Orlando', 'Florida', '32813', '06-May-2006');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (7, 7, 'Petr', 'Casari', 'pcasari6@cmu.edu', '7121708144', '2 Johnson Center', 'Sioux City', 'Iowa', '51105', '15-Jan-1997');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (8, 8, 'Merola', 'Ricards', 'mricards7@cargocollective.com', '4028521750', '59781 Grayhawk Alley', 'Lincoln', 'Nebraska', '68517', '09-Mar-2014');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (9, 9, 'Valentin', 'Paulucci', 'vpaulucci8@weibo.com', '2815169207', '639 Golf Course Junction', 'Houston', 'Texas', '77050', '04-Feb-2010');

insert into Patients (Patient_ID, Pharmacy_ID, First_Name, Last_Name, Email, Phone, Street_Address, City, State, Zip, Birthdate) values (10, 10, 'Giralda', 'Benez', 'gbenez9@bloglines.com', '5854217793', '68 Russell Way', 'Rochester', 'New York', '14609', '10-Feb-2008');

--Insurance Providers

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (1, 'Casper-Lemke', '2694952681');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (2, 'Durgan, Grant and Schulist', '2434642404');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (3, 'Pfeffer Inc', '8147465916');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (4, 'Lindgren Inc', '2837467320');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (5, 'Bergstrom, Schinner and Emard', '2715423059');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (6, 'Ferry, Goldner and Fadel', '3601212264');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (7, 'Pagac Group', '3692600773');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (8, 'Rippin, Will and Carroll', '3736998675');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (9, 'Mosciski-Stiedemann', '3061992817');

insert into Insurance_Providers (Insurance_ID, Provider_Name, Provider_Phone_Number) values (10, 'Leuschke LLC', '8455990029');

--Insurance Details

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (1, 1, 1, 1415442, '12-Jun-2018', 'VQjflHKZGaJ', 'Gertrude', 'Deek');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (2, 2, 2, 1986721, '13-Sep-2019', 'ncVuyMEy', 'Dante', 'Eydel');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (3, 3, 3, 1343412, '19-May-2022', 'KEvi46IIU9', 'Lindsey', 'Towler');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (4, 4, 4, 1133842, '01-Jul-2020', 'dp2a5Rcyo', 'Tommie', 'Touret');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (5, 5, 5, 1187626, '23-Apr-2011', 'POAyxaci', 'Annadiane', 'Mityakov');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (6, 6, 6, 1421703, '03-Aug-2018', 'c20YEjtX', 'Mommy', 'Dullaghan');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (7, 7, 7, 1342114, '28-Jan-2015', 'i6zNh681SVia', 'Brad', 'Iffland');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (8, 8, 8, 1525102, '21-Jul-2022', 'kGapEg', 'Vivianna', 'Carr');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (9, 9, 9, 1084080, '29-Oct-2015', 'ISkp4jxq', 'Maximilian', 'Shrieve');

insert into Insurance_Details (Insurance_Details_ID, Insurance_ID, Patient_ID, Group_Number, Coverage_Date, Identification_Number, First_Name, Last_Name) values (10, 10, 10, 1701087, '29-Nov-2014', 'IJeYzKVq', 'Dominique', 'Burdin');

--Pharmacy Details

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (1, 1, 1);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (2, 2, 2);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (3, 3, 3);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (4, 4, 4);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (5, 5, 5);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (6, 6, 6);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (7, 7, 7);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (8, 8, 8);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (9, 9, 9);

insert into Pharmacy_Details (Pharmacy_Details_ID, Pharmacy_ID, Patient_ID) values (10, 10, 10);

--Medications

insert into Medications (Medication_ID, Medication_Name) values (1, 'Senna Concentrate/Docusate Sodium');

insert into Medications (Medication_ID, Medication_Name) values (2, 'Modafinil');

```

insert into Medications (Medication_ID, Medication_Name) values (3, 'Ciprofloxacin Hydrochloride');
insert into Medications (Medication_ID, Medication_Name) values (4, 'Trifluoperazine Hydrochloride');
insert into Medications (Medication_ID, Medication_Name) values (5, 'Benzalkonium chloride');
insert into Medications (Medication_ID, Medication_Name) values (6, 'Cephalexin');
insert into Medications (Medication_ID, Medication_Name) values (7, 'avobenzone, homosalate,
octisalate, oxybenzone, octocrylene');
insert into Medications (Medication_ID, Medication_Name) values (8, 'Utah Juniper');
insert into Medications (Medication_ID, Medication_Name) values (9, 'Amitriptyline Hydrochloride');
insert into Medications (Medication_ID, Medication_Name) values (10, 'acetaminophen');

```

--Medication Details

```

insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (1, 1, 1, 'Once a day with food', 10, 10, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (2, 2, 2, 'Once a day with food', 15, 9, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (3, 3, 3, 'Twice a day. morning and evening', 49, 4, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (4, 4, 4, 'Two pills a day. Take at same time with food.', 50, 10, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (5, 5, 5, 'One pill a day, before bed.', 46, 12, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (6, 6, 6, 'Twice a day. morning and evening', 47, 11, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (7, 7, 7, 'Once a day with food', 21, 7, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (8, 8, 8, 'Once a day with food', 8, 3, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (9, 9, 9, 'Once a day 30 minutes before food', 46, 4, null);
insert into Medication_Details (Medication_Details_ID, Patient_ID, Medication_ID, Dosage, Quantity,
Number_Of_Refills, Notes) values (10, 10, 10, 'Twice a day, with food.', 27, 10, null);

```


DDL for Medical Supplies Management (Edited and Runs):

```
-- DDL for Medical Supplies Management App  
rollback;  
commit;
```

```
DROP SEQUENCE invoice_id_seq;  
DROP SEQUENCE department_id_seq;  
DROP SEQUENCE supplier_id_seq;  
DROP SEQUENCE invoice_details_id_seq;  
DROP SEQUENCE product_id_seq;
```

```
DROP TABLE Invoice_Details;  
DROP TABLE Products;  
DROP TABLE Invoices;  
DROP TABLE Suppliers;  
DROP TABLE Departments;
```

```
CREATE SEQUENCE invoice_id_seq;  
CREATE SEQUENCE department_id_seq;  
CREATE SEQUENCE supplier_id_seq;  
CREATE SEQUENCE invoice_details_id_seq;  
CREATE SEQUENCE product_id_seq;
```

```
CREATE TABLE Suppliers (  
    Supplier_ID NUMBER DEFAULT supplier_id_seq.NEXTVAL PRIMARY KEY,  
    Supplier_Name CHAR(25) NOT NULL,  
    Street_Address VARCHAR(50) NOT NULL,  
    City VARCHAR(50) NOT NULL,  
    State CHAR(30) NOT NULL,  
    Zip CHAR(5) NOT NULL,  
    Phone CHAR(12) NOT NULL,  
    Supplier_Contact_Email CHAR(25) NOT NULL  
);
```

```
CREATE TABLE Departments (  
    Department_ID NUMBER DEFAULT department_id_seq.NEXTVAL PRIMARY KEY,  
    Department_Name CHAR(25) NOT NULL  
);
```

```
CREATE TABLE Products (  
    Product_ID NUMBER DEFAULT product_id_seq.NEXTVAL PRIMARY KEY,
```

```
Supplier_ID NUMBER REFERENCES Suppliers (Supplier_ID),
Product_Name VARCHAR(25) NOT NULL,
Inventory_Quantity NUMBER NOT NULL
);
```

```
CREATE TABLE Invoices (
    Invoice_ID NUMBER default invoice_id_seq.NEXTVAL PRIMARY KEY,
    Supplier_ID NUMBER REFERENCES Suppliers (Supplier_ID),
    Department_ID NUMBER REFERENCES Departments (Department_ID),
    Total NUMBER NOT NULL,
    Received_Date DATE NOT NULL,
    Due_Date DATE NOT NULL,
    Invoice_Status CHAR(2) NOT NULL,
    CONSTRAINT invoice_status_ck CHECK (Invoice_Status = 'P' OR Invoice_Status = 'NP' OR Invoice_Status
='V')
);
```

```
CREATE TABLE Invoice_Details (
    Invoice_Details_ID NUMBER DEFAULT invoice_details_id_seq.NEXTVAL PRIMARY KEY,
    Invoice_ID NUMBER REFERENCES Invoices (Invoice_ID),
    Product_ID NUMBER REFERENCES Products (Product_ID)
);
```

--Insert Statements

--Insert to Supplier

```
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (1, 'Johnson and Sons', '32862 Scofield Circle', 'West Palm Beach',
'Florida', '33411', '9543319181', 'aabbey0@xinhuanet.com');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (2, 'Beer, Lemke and Kuvalis', '1618 Cold Springs', 'Anchorage', 'Alaska',
'99512', '9074355475', 'lkoche1@wikia.com');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (3, 'Spencer-Deckow', '40 Arkansas Street', 'Shawnee Mission', 'Kansas',
'66220', '9138014008', 'kspringham2@prweb.com');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (4, 'Windler, Johnson and Fay', '15 Anzinger Court', 'Arlington', 'Texas',
'76004', '8179971553', 'wgigg3@yelp.com');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (5, 'D''Amore LLC', '7 Pearson Crossing', 'Sacramento', 'California',
'94291', '9169616536', 'bwace4@weather.com');
```

```

insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (6, 'Lemke-Rath', '26163 Carpenter Terrace', 'Tallahassee', 'Florida',
'32304', '8507328223', 'kfrissell5@ftc.gov');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (7, 'Wyman and Sons', '2 Canary Court', 'Milwaukee', 'Wisconsin',
'53285', '4147829499', 'carni6@infoseek.co.jp');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (8, 'Reichel-Price', '851 Sheridan Street', 'Washington', 'District of
Columbia', '20231', '2028343896', 'fperot7@columbia.edu');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (9, 'Langosh-Thompson', '246 Bellgrove Point', 'Erie', 'Pennsylvania',
'16505', '8149531771', 'dbestall8@shinystat.com');
insert into Suppliers (Supplier_ID, Supplier_Name, Street_Address, City, State, Zip, Phone,
Supplier_Contact_Email) values (10, 'Kunde, Stracke and Raynor', '6865 Acker Court', 'Pompano Beach',
'Florida', '33075', '7544536952', 'sobbard9@spotify.com');

```

--Insert into Departments

```

insert into Departments (Department_ID, Department_Name) values (1, 'Emergency');
insert into Departments (Department_ID, Department_Name) values (2, 'Cardiology');
insert into Departments (Department_ID, Department_Name) values (3, 'Intensive care unit (ICU)');
insert into Departments (Department_ID, Department_Name) values (4, 'Neurology');
insert into Departments (Department_ID, Department_Name) values (5, 'Radiology');
insert into Departments (Department_ID, Department_Name) values (6, 'Radiology');
insert into Departments (Department_ID, Department_Name) values (7, 'Emergency');
insert into Departments (Department_ID, Department_Name) values (8, 'Cardiology');
insert into Departments (Department_ID, Department_Name) values (9, 'Emergency');
insert into Departments (Department_ID, Department_Name) values (10, 'Cardiology');

```

--Insert into Products

```

insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (1, 1, 'N-95
Masks', 6124);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (2, 2, 'Gloves',
9498);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (3, 3, 'Paper
Towels', 1334);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (4, 4, 'Syringe',
2929);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (5, 5, 'EKG',
10);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (6, 6,
'Respirator', 990);

```

```
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (7, 7,
'Stretcher', 182);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (8, 8, 'Glucose
Meter', 46);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (9, 9, 'Oxyger
Tank', 214);
insert into Products (Product_ID, Supplier_ID, Product_Name, Inventory_Quantity) values (10, 10,
'Infusion Pump', 58);
```

--Insert into Invoices

```
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (1, 1, 1, 1452.48, '17-Dec-2020', '14-Sep-2022', 'P');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (2, 2, 2, 7722.04, '16-Jun-2021', '24-Feb-2022', 'NP');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (3, 3, 3, 3678.29, '17-Sep-2021', '25-Sep-2022', 'NP');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (4, 4, 4, 8551.02, '27-Sep-2021', '07-May-2022', 'P');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (5, 5, 5, 7131.83, '07-Oct-2021', '22-Feb-2022', 'NP');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (6, 6, 6, 9105.58, '26-Dec-2020', '20-Sep-2022', 'NP');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (7, 7, 7, 6574.46, '06-Jan-2021', '25-Jun-2022', 'V');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (8, 8, 8, 9665.51, '18-Nov-2020', '16-Aug-2022', 'V');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (9, 9, 9, 9869.08, '15-Nov-2020', '18-Feb-2022', 'P');
insert into Invoices (Invoice_ID, Supplier_ID, Department_ID, Total, Received_Date, Due_Date,
Invoice_Status) values (10, 10, 10, 3178.45, '31-May-2021', '15-Aug-2022', 'NP');
```

--Insert to Invoice Details

```
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (1, 1, 1);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (2, 2, 2);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (3, 3, 3);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (4, 4, 4);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (5, 5, 5);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (6, 6, 6);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (7, 7, 7);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (8, 8, 8);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (9, 9, 9);
insert into Invoice_Details (Invoice_Details_ID, Invoice_ID, Product_ID) values (10, 10, 10);
```

DDL for the normalized data warehouse (Edited and Runs):

--Drop Sequence

DROP SEQUENCE patient_id_seq;

DROP SEQUENCE pharmacy_id_seq;

DROP SEQUENCE medications_id_seq;

DROP SEQUENCE insurance_provider_id_seq;

DROP SEQUENCE medication_details_id_seq;

DROP SEQUENCE invoice_id_seq;

DROP SEQUENCE department_id_seq;

DROP SEQUENCE supplier_id_seq;

DROP SEQUENCE invoice_details_id_seq;

DROP SEQUENCE product_id_seq;

DROP SEQUENCE doctor_id_seq;

DROP SEQUENCE visit_id_seq;

--Drop tables

drop table Visits;

drop table Doctors;

DROP TABLE Invoice_Details;

DROP TABLE Products;

DROP TABLE Invoices;

DROP TABLE Suppliers;

DROP TABLE Departments;

drop table Medication_Details;

drop table pharmacies;

drop table medications;

drop table patients;

drop table Insurance_providers;

--Create Sequence

CREATE SEQUENCE patient_id_seq;

```
CREATE SEQUENCE pharmacy_id_seq;
CREATE SEQUENCE medications_id_seq;
CREATE SEQUENCE insurance_provider_id_seq;
CREATE SEQUENCE medication_details_id_seq;
CREATE SEQUENCE invoice_id_seq;
CREATE SEQUENCE department_id_seq;
CREATE SEQUENCE supplier_id_seq;
CREATE SEQUENCE invoice_details_id_seq;
CREATE SEQUENCE product_id_seq;
CREATE SEQUENCE doctor_id_seq;
CREATE SEQUENCE visit_id_seq;
```

--Create Tables

```
CREATE TABLE Pharmacies (
    Pharmacy_ID NUMBER DEFAULT pharmacy_id_seq.NEXTVAL PRIMARY KEY,
    Pharmacy_Name CHAR(50) NOT NULL,
    Email VARCHAR (40) NOT NULL UNIQUE,
    Phone CHAR(12) NOT NULL,
    Street_Address VARCHAR(50) NOT NULL,
    City VARCHAR(50) NOT NULL,
    State CHAR(30) NOT NULL,
    Zip CHAR(5) NOT NULL,
    Notes VARCHAR(50)
);
```

```
CREATE TABLE Medications (
    Medication_ID NUMBER DEFAULT medications_id_seq.NEXTVAL PRIMARY KEY,
    Medication_Name VARCHAR(75) NOT NULL
);
```

```
CREATE TABLE Insurance_Providers (
    Insurance_ID NUMBER DEFAULT insurance_provider_id_seq.NEXTVAL PRIMARY KEY,
    Provider_Name CHAR(40) NOT NULL,
```

```
Provider_Phone_Number NUMBER(12) NOT NULL  
);
```

```
CREATE TABLE Patients (  
    Patient_ID NUMBER DEFAULT patient_id_seq.NEXTVAL PRIMARY KEY,  
    Insurance_ID number REFERENCES Insurance_Providers (Insurance_ID),  
    First_Name VARCHAR(20) NOT NULL,  
    Last_Name VARCHAR(30) NOT NULL,  
    Email VARCHAR (40) NOT NULL UNIQUE,  
    Phone CHAR(12) NOT NULL,  
    Street_Address VARCHAR(50) NOT NULL,  
    City VARCHAR(50) NOT NULL,  
    State CHAR(30) NOT NULL,  
    Zip CHAR(5) NOT NULL,  
    Birthdate DATE,  
    Group_Number NUMBER (8) NOT NULL,  
    Coverage_Date DATE NOT NULL,  
    Insurance_Identification_Number VARCHAR(12) NOT NULL  
);
```

```
CREATE TABLE Medication_Details (  
    Medication_Details_ID NUMBER DEFAULT medication_details_id_seq.NEXTVAL PRIMARY KEY,  
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),  
    Medication_ID NUMBER REFERENCES Medications (Medication_ID),  
    Pharmacy_ID Number references Pharmacies (Pharmacy_ID),  
    Dosage VARCHAR(50) NOT NULL,  
    Quantity NUMBER NOT NULL,  
    Number_Of_Refills NUMBER NOT NULL,  
    Notes VARCHAR(50)  
);
```

```
CREATE TABLE Suppliers (  
    Supplier_ID NUMBER DEFAULT supplier_id_seq.NEXTVAL PRIMARY KEY,  
    Supplier_Name CHAR(25) NOT NULL,  
    Street_Address VARCHAR(50) NOT NULL,  
    City VARCHAR(50) NOT NULL,  
    State CHAR(30) NOT NULL,  
    Zip CHAR(5) NOT NULL,  
    Phone CHAR(12) NOT NULL,  
    Supplier_Contact_Email CHAR(25) NOT NULL  
);
```

```
CREATE TABLE Departments (  
    Department_ID NUMBER DEFAULT department_id_seq.NEXTVAL PRIMARY KEY,  
    Department_Name CHAR(25) NOT NULL  
);
```

```
CREATE TABLE Products (  
    Product_ID NUMBER DEFAULT product_id_seq.NEXTVAL PRIMARY KEY,  
    Supplier_ID NUMBER REFERENCES Suppliers (Supplier_ID),  
    Product_Name VARCHAR(25) NOT NULL,  
    Inventory_Quantity NUMBER NOT NULL  
);
```

```
CREATE TABLE Invoices (  
    Invoice_ID NUMBER default invoice_id_seq.NEXTVAL PRIMARY KEY,  
    Supplier_ID NUMBER REFERENCES Suppliers (Supplier_ID),  
    Department_ID NUMBER REFERENCES Departments (Department_ID),  
    Total NUMBER NOT NULL,  
    Received_Date DATE NOT NULL,  
    Due_Date DATE NOT NULL,  
    Invoice_Status CHAR(2) NOT NULL,
```



```
CONSTRAINT invoice_status_ck CHECK (Invoice_Status = 'P' OR Invoice_Status = 'NP' OR Invoice_Status  
='V')  
);
```

```
CREATE TABLE Invoice_Details (  
    Invoice_Details_ID NUMBER DEFAULT invoice_details_id_seq.NEXTVAL PRIMARY KEY,  
    Invoice_ID NUMBER REFERENCES Invoices (Invoice_ID),  
    Product_ID NUMBER REFERENCES Products (Product_ID)  
);
```

```
CREATE TABLE Doctors (  
    Doctor_ID NUMBER DEFAULT doctor_id_seq.NEXTVAL PRIMARY KEY,  
    Department_ID number references Departments (Department_ID),  
    First_Name CHAR (20) NOT NULL,  
    Last_Name CHAR (20) NOT NULL,  
    Specialty CHAR(20) NOT NULL  
);
```

```
CREATE TABLE Visits (  
    Visit_ID NUMBER DEFAULT visit_id_seq.NEXTVAL PRIMARY KEY,  
    Patient_ID NUMBER REFERENCES Patients (Patient_ID),  
    Doctor_ID NUMBER REFERENCES Doctors (Doctor_ID),  
    Reason VARCHAR(200) NOT NULL,  
    Diagnosis VARCHAR(150) NOT NULL,  
    Follow_Up_Date DATE,  
    Bill_Total NUMBER NOT NULL,  
    Bill_Due_Date DATE NOT NULL,  
    Bill_Status CHAR(2) NOT NULL,  
    Room_Number Number (5), ---Assumption 1st Number in Room Number is the floor  
    CONSTRAINT bill_status_ck CHECK (Bill_Status = 'P' OR Bill_Status = 'NP' OR Bill_Status ='V')  
  
);  
commit;
```