drop table if exists PATIENT;

drop table if exists EMPLOYEE;

drop table if exists EMP\_TYPE;

drop table if exists SPECIALTY;

drop table if exists PAT\_RECORD;

drop table if exists MEDICINE;

drop table if exists TREATMENT;

drop table if exists MED\_COST;

drop table if exists ROOM;

drop table if exists ADMITTANCE;

CREATE TABLE PATIENT(

p\_ID int NOT NULL,

p\_fname varchar(25) NOT NULL,

p\_lname varchar(25) NOT NULL,

p\_ssn bigint NOT NULL,

p\_dob date NOT NULL,

p\_age int NOT NULL,

p\_sex char NOT NULL,

p\_phone bigint NOT NULL,

p\_add\_street varchar(100) NOT NULL,

p\_add\_city varchar(25) NOT NULL,

p\_add\_state char(2) NOT NULL,

p\_add\_zip int NOT NULL,

PRIMARY KEY (p\_ID),

UNIQUE (p\_ssn),

UNIQUE (p\_phone)

);

CREATE TABLE EMP\_TYPE(

type\_ID int NOT NULL,

e\_type varchar(20) NOT NULL,

PRIMARY KEY (type\_ID),

UNIQUE (e\_type)

);

CREATE TABLE EMPLOYEE(

emp\_ID int NOT NULL,

type\_ID int NOT NULL,

emp\_fname varchar(25) NOT NULL,

emp\_lname varchar(25) NOT NULL,

emp\_ssn bigint NOT NULL,

emp\_dob date NOT NULL,

emp\_sex char NOT NULL,

emp\_salary int NOT NULL,

emp\_phone bigint NOT NULL,

emp\_add\_street varchar(100) NOT NULL,

emp\_add\_city varchar(25) NOT NULL,

emp\_add\_state char(2) NOT NULL,

emp\_add\_zip int NOT NULL,

PRIMARY KEY (emp\_ID),

UNIQUE(emp\_ssn),

UNIQUE (emp\_phone),

FOREIGN KEY (type\_ID) REFERENCES EMP\_TYPE(type\_ID)

);

CREATE TABLE SPECIALTY(

emp\_ID int NOT NULL,

spec\_type varchar(20) NOT NULL,

PRIMARY KEY (emp\_ID,spec\_type),

FOREIGN KEY(emp\_ID) REFERENCES EMPLOYEE(emp\_ID)

);

CREATE TABLE ROOM(

r\_num int NOT NULL,

num\_beds int NOT NULL,

r\_type varchar(15) NOT NULL,

nurse\_ID int NOT NULL,

PRIMARY KEY (r\_num),

FOREIGN KEY(nurse\_ID) REFERENCES EMPLOYEE(emp\_ID)

);

CREATE TABLE ADMITTANCE(

p\_ID int NOT NULL,

date\_admit date NOT NULL,

date\_disch date,

er\_admit boolean NOT NULL,

r\_num int NOT NULL,

doctor\_ID int NOT NULL,

PRIMARY KEY (p\_ID,date\_admit),

UNIQUE (p\_ID,date\_admit,r\_num),

UNIQUE (p\_ID,date\_admit,doctor\_ID),

FOREIGN KEY (p\_ID) REFERENCES PATIENT(p\_ID),

FOREIGN KEY (r\_num) REFERENCES ROOM(r\_num),

FOREIGN KEY (doctor\_ID) REFERENCES EMPLOYEE(emp\_ID)

);

CREATE TABLE PAT\_RECORD(

rec\_num int NOT NULL,

p\_ID int NOT NULL,

date\_admit date NOT NULL,

appt\_date date NOT NULL,

observations varchar(250) NOT NULL,

staff\_ID int NOT NULL,

PRIMARY KEY (rec\_num),

FOREIGN KEY (p\_ID) REFERENCES PATIENT(p\_ID),

FOREIGN KEY (staff\_ID) REFERENCES EMPLOYEE(emp\_ID)

);

CREATE TABLE MEDICINE(

med\_ID varchar(8) NOT NULL,

med\_desc varchar(200) NOT NULL,

price\_per int NOT NULL,

PRIMARY KEY (med\_ID),

UNIQUE (med\_ID,price\_per)

);

CREATE TABLE TREATMENT(

p\_ID int NOT NULL,

med\_ID varchar(8) NOT NULL,

quantity int NOT NULL,

PRIMARY KEY (p\_ID,med\_ID,quantity),

FOREIGN KEY (p\_ID) REFERENCES PATIENT(p\_ID),

FOREIGN KEY (med\_ID) REFERENCES MEDICINE(med\_ID)

);

CREATE TABLE MEDICINE\_COST(

med\_ID varchar(8) NOT NULL,

quantity int NOT NULL,

costs int NOT NULL,

PRIMARY KEY (med\_ID, quantity),

FOREIGN KEY (med\_ID) REFERENCES MEDICINE(med\_ID)

);

INSERT INTO PATIENT

VALUES

(101,'Albert','Albertson',503916498,TO\_DATE('01/11/1956','MM/DD/YYYY'),64,'M',6919732096,'657 Helena Court','Pace','FL',32571),

(102,'Barb','Delion',273697360,TO\_DATE('10/24/1984','MM/DD/YYYY'),35,'F',1562685061,'2053 Melvin Hill','Milton','FL',32570),

(103,'Charlton','Petley',160798199,TO\_DATE('11/28/1975','MM/DD/YYYY'),44,'M',9329689681,'9575 Lakewood Gardens Crossing','Gulf Breeze','FL',32563),

(104,'Dudley','Benton',591656768,TO\_DATE('02/25/1934','MM/DD/YYYY'),86,'M',8509321642,'201 Fairpoint Drive','Gulf Breeze','FL',32561),

(105,'Faye','Castaway',200938337,TO\_DATE('05/23/1972','MM/DD/YYYY'),48,'F',1057898835,'1105 Burning Wood Pass','Jay','FL',32565),

(106,'Elton','Feldmesser',431375612,TO\_DATE('10/11/1945','MM/DD/YYYY'),74,'M',4744233222,'267 Larry Terrace','Pensacola','FL',32526),

(107,'Haleigh','Elliot',825260096,TO\_DATE('08/20/2003','MM/DD/YYYY'),16,'F',3059027560,'51469 Harbort Street','Pensacola Beach','FL',32561),

(108,'Indie','James',768370464,TO\_DATE('03/31/1966','MM/DD/YYYY'),54,'F',4187266025,'3259 Ruskin Circle','Cantonment','FL',32533),

(109,'Gerald','Inkpin',326789372,TO\_DATE('12/12/1954','MM/DD/YYYY'),65,'M',6541344066,'47120 Nancy Center','Pensacola','FL',32502),

(110,'Jordan','Longhorne',879803279,TO\_DATE('06/19/1980','MM/DD/YYYY'),40,'M',2647653710,'30 Village Place','Pensacola','FL',32514),

(111,'Cory','Dabbs',856176102,TO\_DATE('07/05/1996','MM/DD/YYYY'),24,'M',4106987600,'2 Mifflin Junction','Milton','FL',32583),

(112,'Bernadette','Bernath',581961363,TO\_DATE('05/02/1930','MM/DD/YYYY'),90,'F',7467537114,'59534 Brentwood Junction','Pensacola','FL',32504),

(113,'Purcell','York',609680979,TO\_DATE('12/30/1953','MM/DD/YYYY'),66,'M',7083419769,'411 Kropf Center','Pace','FL',32571),

(114,'Lindi','Tettersell',749525348,TO\_DATE('1/26/2001','MM/DD/YYYY'),19,'F',9784185303,'2597 Vermont Place','Navarre','FL',32566),

(115,'Ravi','Martonfi',477519998,TO\_DATE('09/03/1994','MM/DD/YYYY'),25,'M',7372014759,'54 Pawling Way','Cantonment','FL',32533);

INSERT INTO EMP\_TYPE

VALUES

(1,'Doctor'),

(2,'Nurse'),

(3,'Receptionist');

INSERT INTO EMPLOYEE

VALUES

(201,1,'Jorma','Shores',591876417,TO\_DATE('06/11/1987','MM/DD/YYYY'),'M',275000,8509721332,'2108 Champions Green Way','Gulf Breeze','FL',32563),

(202,1,'Nollie','Jirzik',416665230,TO\_DATE('03/31/1967','MM/DD/YYYY'),'F',350000,7691289452,'1145 Northland Place','Pensacola','FL',32503),

(214,1,'Oliver','Fredricks',651891235,TO\_DATE('02/28/1989','MM/DD/YYYY'),'M',255000,9824567823,'105 Soundside Drive','Gulf Breeze','FL',32563),

(213,1,'Olivia','Ferguson',013564920,TO\_DATE('07/01/1992','MM/DD/YYYY'),'F',250000,2512281745,'1807 East Brainerd Street','Pensacola','FL',32503),

(215,1,'Magnolia','McVey',476295191,TO\_DATE('08/10/1969','MM/DD/YYYY'),'F',345000,2154687913,'1467 Quail Drive','Pace','FL',32571),

(216,1,'Martin','Sanders',332897463,TO\_DATE('12/25/1972','MM/DD/YYYY'),'M',335000,2514987643,'105886 Innerarity Point Road','Pensacola','FL',32507),

(217,1,'Annie','Pharo',101457986,TO\_DATE('05/15/1983','MM/DD/YYYY'),'F',280000,9876541234,'2758 Old Hickory Blvd','Navarre','FL',32566),

(212,1,'Augustus','Watson',591014658,TO\_DATE('01/25/1979','MM/DD/YYYY'),'M',325000,8509821312,'1504 Panferio Drive','Pensacola Beach','FL',32561),

(203,1,'Andie','Fishleigh',767365675,TO\_DATE('11/4/1975','MM/DD/YYYY'),'M',315000,8509721546,'571 Starfish Cove','Pensacola Beach','FL',32561),

(204,2,'Hubie','Pailin',321834133,TO\_DATE('03/17/1985','MM/DD/YYYY'),'M',87500,1667564001,'41835 Scofield Place','Pensacola','FL',32507),

(205,2,'Cayla','Stuchburie',775918623,TO\_DATE('06/17/1994','MM/DD/YYYY'),'F',75000,1251867011,'18 Tennyson Street','Gulf Breeze','FL',32561),

(206,2,'Aloysius','Mohammed',433468516,TO\_DATE('09/11/1977','MM/DD/YYYY'),'M',95000,6874951749,'5148 Nightengale Lane','Gulf Breeze','FL',32561),

(207,2,'Raquela','Jencken',311693876,TO\_DATE('10/23/1971','MM/DD/YYYY'),'F',110000,6841893132,'353 Briar Crest Lane','Navarre','FL',32566),

(208,3,'Alphard','Dimblebee',198752210,TO\_DATE('05/30/1998','MM/DD/YYYY'),'M',40000,6086841811,'97 Coolidge Center','Cantonment','FL',32533),

(209,3,'Nadiria','Syres',721107301,TO\_DATE('05/06/1988','MM/DD/YYYY'),'F',50000,2004867328,'910 Doe Crossing Circle','Pace','FL',32571),

(210,3,'Dwain','Houchin',223378153,TO\_DATE('09/20/1970','MM/DD/YYYY'),'M',60000,2093366585,'27128 Esker Hill','Milton','FL',32583),

(211,3,'Katherine','Foy',432657203,TO\_DATE('10/07/1991','MM/DD/YYYY'),'F',45000,2514978231,'228 Melrose Trail','Pensacola','FL',32502);

INSERT INTO SPECIALTY

VALUES

(201,'Neurologist'),

(202,'Cardiologist'),

(203,'Pulmonologist'),

(212,'Neurologist'),

(213,'Neurologist'),

(214,'Neurologist'),

(215,'Cardiologist'),

(216,'Endocrinologist'),

(217,'Internist');

INSERT INTO ROOM

VALUES

(2001,1,'standard',204),

(2002,1,'suite',205),

(2003,2,'standard',204),

(2004,2,'suite',205),

(2005,1,'standard',206),

(2006,1,'suite',207),

(2007,2,'standard',206),

(2008,2,'suite',207),

(2009,1,'standard',204),

(2010,2,'standard',205);

INSERT INTO ADMITTANCE

VALUES

(101,'2009-09-12','2009-09-06','1',2001,216),

(102,'2015-05-12','2015-05-12','0',2003,217),

(103,'2015-05-12','2015-05-12','1',2003,216),

(104,'2017-03-01','2017-03-01','0',2005,203),

(105,'2016-02-08','2016-02-08','1',2002,202),

(106,'2018-01-23','2018-01-24','1',2005,215),

(107,'2020-04-29','2020-04-29','1',2002,216),

(108,'2019-06-30','2019-06-30','1',2004,213),

(109,'2019-06-30','2019-06-30','0',2004,212),

(110,'2013-09-07','2013-09-07','1',2002,216),

(111,'2011-10-31','2011-10-31','1',2009,202),

(112,'2010-11-22','2010-11-22','0',2007,214),

(113,'2010-11-22','2010-11-22','1',2007,215),

(114,'2007-01-01','2007-01-01','0',2006,201),

(115,'2006-02-14','2006-02-14','0',2010,217),

(101,'2006-02-14','2006-02-15','1',2010,216),

(102,'2012-07-31','2012-08-01','1',2009,212),

(103,'2020-07-13',NULL,'1',2004,216),

(104,'2020-07-13',NULL,'1',2004,217),

(105,'2020-07-14',NULL,'1',2010,201),

(106,'2020-07-14',NULL,'0',2010,202),

(107,'2020-07-13',NULL,'1',2002,215),

(108,'2020-07-14',NULL,'1',2009,203);

INSERT INTO PAT\_RECORD

VALUES

(1101,101,'2009-09-12','2009-09-06','Temp 101.1, HR 88, BP 131/87',208),

(1102,102,'2015-05-12','2015-05-12','Temp 100.4, HR 85, BP 129/85',209),

(1103,103,'2015-05-12','2015-05-12','Temp 99.7, HR 83, BP 127/83',210),

(1104,104,'2017-03-01','2017-03-01','Temp 98.9, HR 81, BP 125/81',211),

(1105,105,'2016-02-08','2016-02-08','Temp 100.1, HR 79, BP 123/79',208),

(1106,106,'2018-01-23','2018-01-23','Temp 100.9, HR 77, BP 126/77',209),

(2106,106,'2018-01-23','2018-01-24','Temp 98.7, HR 71, BP 120/70',209),

(1107,107,'2020-04-29','2020-04-29','Temp 101.3, HR 75, BP 128/82',210),

(1108,108,'2019-06-30','2019-06-30','Temp 99.9, HR 73, BP 130/80',211),

(1109,109,'2019-06-30','2019-06-30','Temp 99.5, HR 71, BP 132/78',208),

(1110,110,'2013-09-07','2013-09-07','Temp 100.2, HR 69, BP 134/76',209),

(1111,111,'2011-10-31','2011-10-31','Temp 100.3, HR 67, BP 133/87',210),

(1112,112,'2010-11-22','2010-11-22','Temp 99.1, HR 76, BP 127/76',211),

(1113,113,'2010-11-22','2010-11-22','Temp 99.8, HR 74, BP 121/74',208),

(1114,114,'2007-01-01','2007-01-01','Temp 98.8, HR 78, BP 122/72',209),

(1115,115,'2006-02-14','2006-02-14','Temp 101.1, HR 82, BP 120/70',210),

(2101,101,'2006-02-14','2006-02-14','Temp 101.9, HR 89, BP 133/89',211),

(3101,101,'2006-02-14','2006-02-15','Temp 98.9, HR 75, BP 127/78',208),

(2102,102,'2012-07-31','2012-08-01','Temp 102.0, HR 90, BP 135/90',208),

(1116,103,'2020-07-13','2020-07-13','Temp 99.9, HR 82, BP 131/86',209),

(2116,103,'2020-07-13','2020-07-14','Temp 97.9, HR 79, BP 129/83',209),

(1117,104,'2020-07-13','2020-07-13','Temp 100.4, HR 85, BP 132/87',210),

(2117,104,'2020-07-13','2020-07-14','Temp 98.2, HR 80, BP 126/82',210),

(1118,105,'2020-07-14','2020-07-14','Temp 101.0, HR 89, BP 131/87',211),

(2118,105,'2020-07-14','2020-07-15','Temp 100.1, HR 87, BP 128/84',208),

(1119,106,'2020-07-14','2020-07-14','Temp 99.7, HR 86, BP 130/88',209),

(2119,106,'2020-07-14','2020-07-15','Temp 99.1, HR 81, BP 128/81',210),

(1120,107,'2020-07-13','2020-07-13','Temp 102.1, HR 83, BP 127/79',211),

(2120,107,'2020-07-13','2020-07-14','Temp 101.2, HR 79, BP 128/80',211),

(1121,108,'2020-07-14','2020-07-14','Temp 101.5, HR 84, BP 129/82',208),

(2121,108,'2020-07-14','2020-07-15','Temp 101.1, HR 80, BP 127/80',209);

INSERT INTO MEDICINE

VALUES

('amox107','antibiotic',10),

('lor200','pain killer',15),

('morph500','pain killer',25),

('ins120','insulin',10),

('card725','blood pressure',40),

('gou643','gout',75),

('naus150','nausea',5);

INSERT INTO TREATMENT

VALUES

(101,'amox107',2),

(101,'lor200',1),

(102,'morph500',1),

(103,'ins120',3),

(104,'amox107',2),

(104,'morph500',1),

(105,'lor200',2),

(106,'card725',1),

(107,'lor200',1),

(107,'ins120',2),

(108,'morph500',2),

(109,'amox107',1),

(110,'ins120',3),

(111,'card725',1),

(111,'ins120',1),

(112,'lor200',2),

(113,'card725',1),

(114,'lor200',1),

(115,'gou643',1),

(115,'morph500',1),

(101,'amox107',3),

(101,'lor200',2),

(102,'lor200',2),

(103,'ins120',4),

(104,'amox107',3),

(104,'gou643',2),

(105,'morph500',2),

(106,'card725',2),

(107,'gou643',1),

(107,'card725',2),

(108,'amox107',2);

INSERT INTO MEDICINE\_COST

VALUES

('amox107',2,20),

('amox107',1,10),

('amox107',3,30),

('lor200',1,15),

('lor200',2,30),

('morph500',1,25),

('morph500',2,50),

('ins120',4,40),

('ins120',3,30),

('ins120',2,20),

('ins120',1,10),

('card725',1,40),

('card725',2,80),

('gou643',1,75),

('gou643',2,150);