

```
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,'2  
01 Fairpoint Drive','Gulf Breeze','FL',32561),

(105,'Faye','Castaway',200938337,TO\_DATE('05/23/1972','MM/DD/YYYY'),48,'F',1057898835,'1  
105 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,'514  
69 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,'47  
120 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,'25 97 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);
```