Hospital Database in SQLITE3

12.6.2020

CSS475 Database Systems - Autumn 2020

Jayden Fullerton

Luo Leng

Sammy Lew
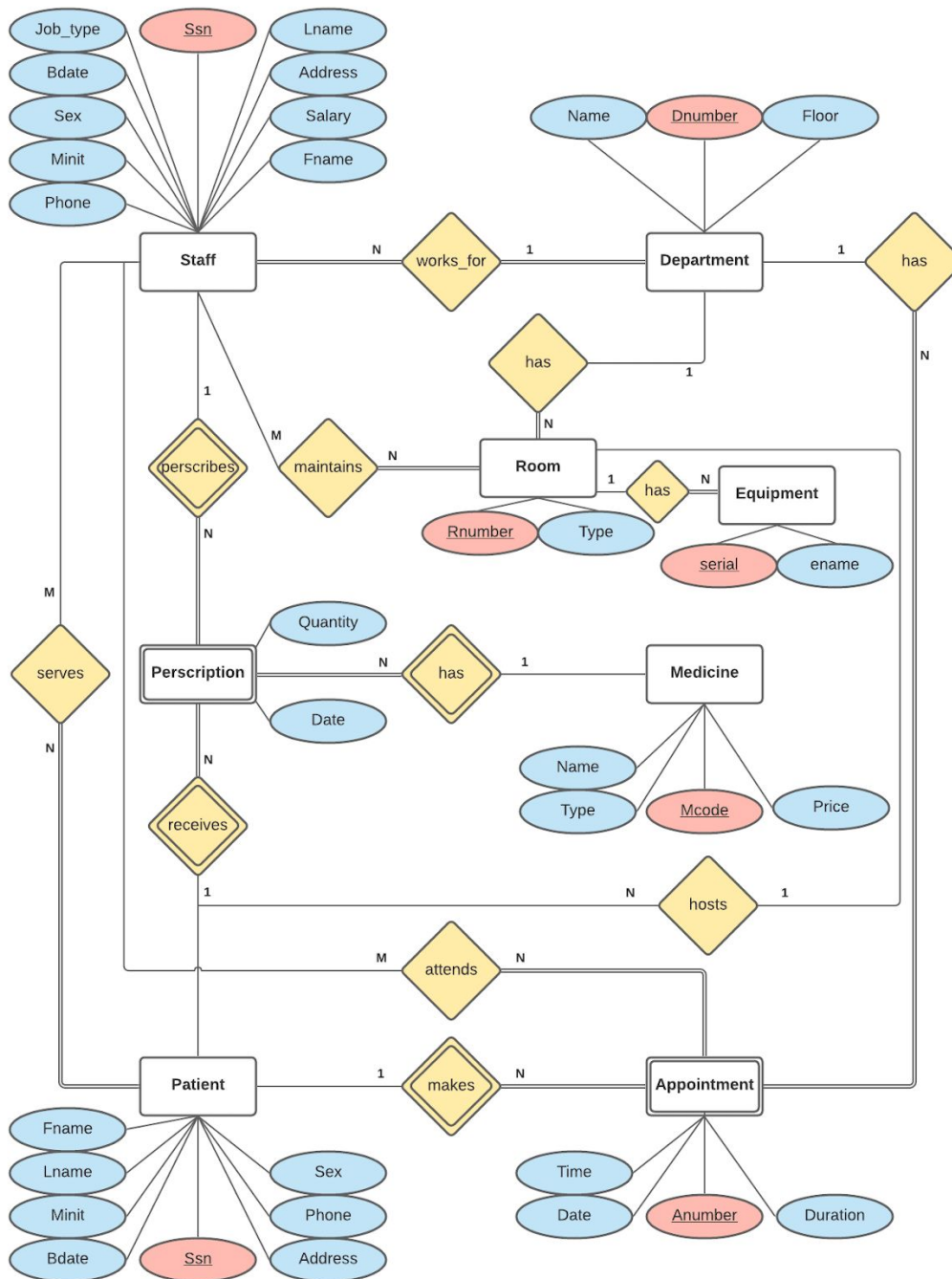
Samuel Debesai

Mingzhen Wang

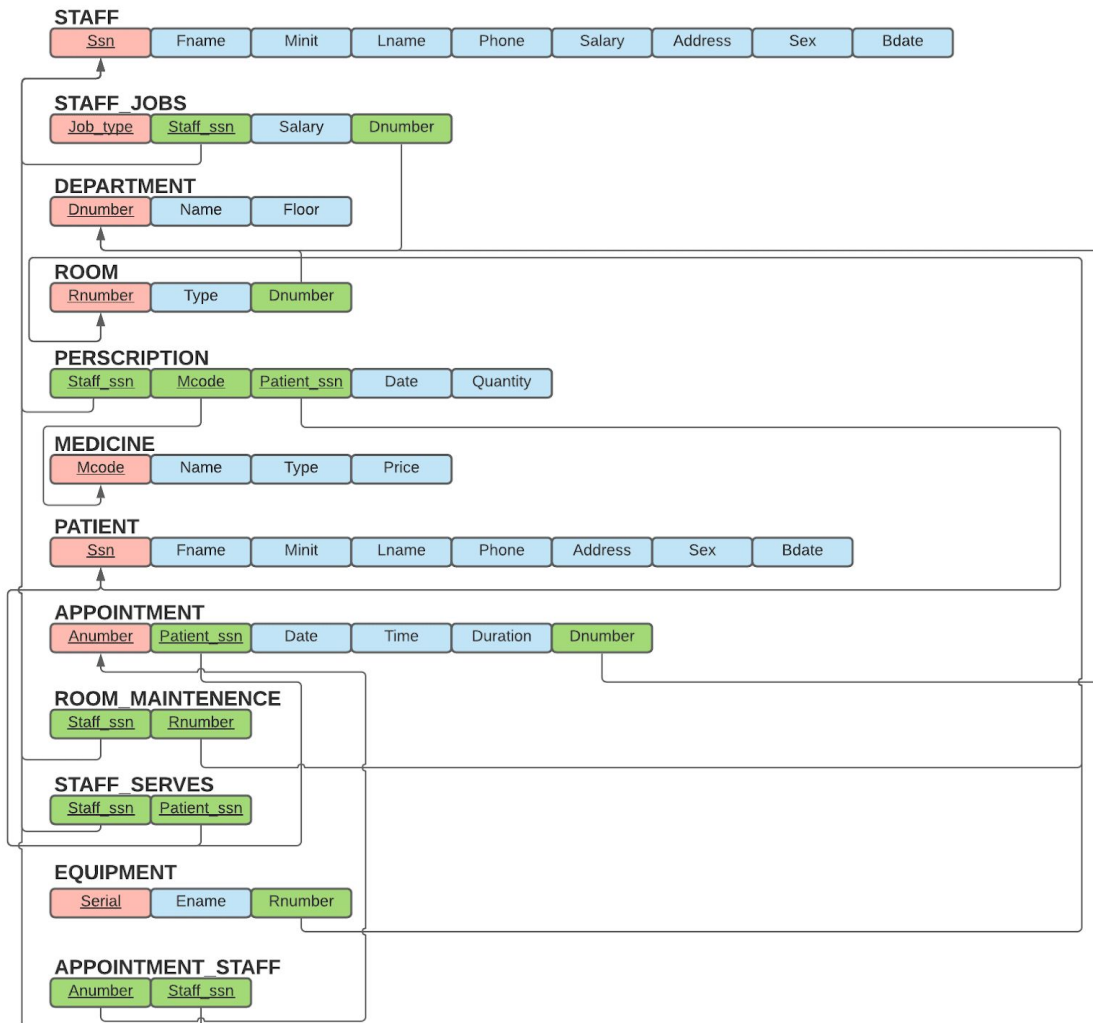# Table of Contents

Entity-Relationship (ER) Diagram

Legend[1]:   white = entity, yellow = relationship, blue = simple attribute, underlined/red = primary key, green = foreign key

[1]Colors are added in addition to standard ER diagram notation

Relational Data Model – Third Normal Form

This relational data model is based on the Entity-Relationship (ER) diagram and modified to conform to third normal form (3NF).

STAFF

Ssn	Fname	Minit	Lname	Phone	Salary	Address	Sex	Bdate

STAFF_JOBS

Job_type	Staff_ssn	Salary	Dnumber

DEPARTMENT

Dnumber	Name	Floor

ROOM

Rnumber	Type	Dnumber

PERSCRIPTION

Staff_ssn	Mcode	Patient_ssn	Date	Quantity

MEDICINE

Mcode	Name	Type	Price

PATIENT

Ssn	Fname	Minit	Lname	Phone	Address	Sex	Bdate

APPOINTMENT

Anumber	Patient_ssn	Date	Time	Duration	Dnumber

ROOM_MAINTENENCE

Staff_ssn	Rnumber

STAFF_SERVES

Staff_ssn	Patient_ssn

EQUIPMENT

Serial	Ename	Rnumber

APPOINTMENT_STAFF

Anumber	Staff_ssn

Legend[2]:   red = primary key associated with relation, green = foreign key,
                blue = simple attribute, underlined = primary key

[2]Colors are added in addition to standard ER diagram notation

The Relation for Implementation

Since the above relation with arrows is rather cluttered, here's a version with just the column headers.

STAFF

Ssn	Fname	Minit	Lname	Phone	Address	Sex	Bdate

STAFF_JOBS

Job_type	Staff_ssn	Salary	Dnumber

DEPARTMENT

Dnumber	Name	Floor

ROOM

Rnumber	Type	Dnumber

PRESCRIPTION

Staff_ssn	Mcode	Patient_ssn	Date	Quantity

MEDICINE

Mcode	Name	Type	Price

PATIENT

Ssn	Fname	Minit	Lname	Phone	Address	Sex	Bdate

APPOINTMENT

Anumber	Patient_ssn	Date	Time	Duration	Dnumber

ROOM_MAINTENENCE

Staff_ssn	Rnumber

STAFF_SERVES

Staff_ssn	Patient_ssn

EQUIPMENT

Serial	Ename	Rnumber

APPOINTMENT_STAFF

Anumber	Staff_ssn

SQL Statements

SQL Statements	Purpose	Syntax
List all the doctor's SSN and name	Show all the doctor's information in hospital.	select STAFF.Ssn, STAFF.Fname, STAFF_JOB.Jobtype from STAFF, STAFF_JOB where STAFF_JOB.Jobtype = 'Doctor' and STAFF.Ssn = STAFF_JOB.Ssn group by STAFF.Ssn;
List all the nurse's SSN and name	Show all the nurse's information in the hospital.	select STAFF.Ssn, STAFF.Fname, STAFF_JOB.Jobtype from STAFF, STAFF_JOB where STAFF_JOB.Jobtype = 'Nurse' and STAFF.Ssn = STAFF_JOB.Ssn group by STAFF.Ssn;
List all the prescription in 2020	Show how many drugs the hospital sell in 2020.	select STAFF.Fname, PRESCRIPTION.Mcode, PATIENT.Fname, PRESCRIPTION.Quantity from STAFF, PRESCRIPTION, PATIENT where STAFF.Ssn = PRESCRIPTION.Staff_ssn and PATIENT.Ssn = PRESCRIPTION.Patient_ssn and PRESCRIPTION.Date between '2019-12-31' and '2020-12-31';
List the total prices of medicine sold in 2020 (Assume the profit margin is 40%)	Show the income from medicine in 2020 so the hospital can know the income from medicine.	select PRESCRIPTION.Quantity * MEDICINE.Price * 0.4 from MEDICINE, PRESCRIPTION where PRESCRIPTION.Mcode = MEDICINE.Mcode and PRESCRIPTION.Date between '2019-12-31' and '2020-12-31'; select sum(PRESCRIPTION.Quantity * MEDICINE.Price * 0.4) from MEDICINE, PRESCRIPTION where PRESCRIPTION.Mcode = MEDICINE.Mcode and PRESCRIPTION.Date between '2019-12-31' and '2020-12-31';
Show the total salary paid to doctors in one year.	Show the cost from the staff salary in one year. With the income from medicine, we can know the money the hospital earns in one year.	select sum(Salary * 12) from STAFF_JOB where Jobtype = 'Doctor';

Show which department get the Average salary higher than 40000	With this query, we can know which department has the highest average salary. This information can show which doctor major can earn the most salary.	select DEPARTMENT.Dnumber, avg(STAFF_JOB.Salary) from STAFF_JOB, DEPARTMENT where STAFF_JOB.Dnumber = DEPARTMENT.Dnumber group by DEPARTMENT.Dnumber having avg(STAFF_JOB.Salary) > 40000;
List all prescription for one patient in 2020	The doctor can check the prescription for the specific patient and check what medicine they take in 2020.	select PATIENT.Fname, count(*), PRESCRIPTION.Mcode from PATIENT, PRESCRIPTION where PATIENT.Ssn = 866665846 and PATIENT.Ssn = PRESCRIPTION.Patient_ssn and PRESCRIPTION.Date between '2019-12-31' and '2020-12-31';
List all the appointments for one doctor.	Check the next available time for that doctor.	select STAFF.Fname, APPOINTMENT.Date, APPOINTMENT.Time from APPOINTMENT, APPOINTMENT_STAFF, STAFF where APPOINTMENT_STAFF.Staff_ssn = 328577894 and APPOINTMENT_STAFF.Staff_ssn = STAFF.Ssn and APPOINTMENT_STAFF.Anumber = APPOINTMENT.Anumber;
List the number of staff inside each department and the average salary in each department.	Show the average salary and the number of staff for each department.	select DEPARTMENT.Name, avg(STAFF_JOB.Salary), count(*) from DEPARTMENT, STAFF_JOB where STAFF_JOB.Dnumber = DEPARTMENT.Dnumber group by DEPARTMENT.Name;
Show the equipment name and where that equipment is and which department owns that equipment and who is maintaining that equipment (name and phone number).	When the equipment is broken. We can know who is maintaining that equipment and call them to repair it.	select EQUIPMENT.Ename, DEPARTMENT.Name, STAFF.Fname, STAFF.Phone from EQUIPMENT, ROOM, ROOM_MAINTENANCE, DEPARTMENT, STAFF where ROOM.RType = 'Equipment' and DEPARTMENT.Dnumber = ROOM.Dnumber and EQUIPMENT.ERoom = ROOM.Rnumber and ROOM_MAINTENANCE.Staff_ssn = STAFF.Ssn and ROOM_MAINTENANCE.Rnumber = ROOM.Rnumber;

Show the Staff name, phone number and the room number.	If the equipment is broken, we can call the manager, or show the room number to the patient so they can go find the doctor.	select ROOM_MAINTENANCE.Staff_ssn, STAFF.Fname, STAFF.Phone, ROOM_MAINTENANCE.Rnumber from ROOM_MAINTENANCE, STAFF, ROOM where ROOM_MAINTENANCE.Rnumber = 11 and ROOM_MAINTENANCE.Staff_ssn = STAFF.Ssn and ROOM_MAINTENANCE.Rnumber = ROOM.Rnumber;
Show the total money one patient pays for medicine in 2020 or in one month.	We can print the medicine fee for each patient and send the bill to them.	select PATIENT.Ssn, sum(MEDICINE.Price) from PATIENT, MEDICINE, PRESCRIPTION where PATIENT.Ssn = 866665846 and PATIENT.Ssn = PRESCRIPTION.Patient_ssn and PRESCRIPTION.Mcode = MEDICINE.Mcode and PRESCRIPTION.Date between '2018-12-31' and '2019-12-31';
Delete doctor's SSN	When the doctor no longer works in the hospital. We just delete his or her information (All the foreign keys will be deleted).	delete from PATIENT where Ssn=352320890;
Delete the Anumber in Appointment	If the patient doesn't show or cancel the appointment. We can just delete it from the database.	delete from APPOINTMENT where Patient_ssn = 827264668 and Date = '2020-12-04';
Delete the Prescription	If the patient doesn't want to buy the medicine from the hospital or the doctor wants to delete the prescription.	delete from PRESCRIPTION where STAFF_ssn = 740322893 and Patient_ssn = 352320890 and Date = '2020-02-24';

SQL Code to Create Database

```
.open hospital.db

.mode column
.headers on
pragma foreign_keys = false;

drop table STAFF;
drop table STAFF_JOB;
drop table DEPARTMENT;
drop table ROOM;
drop table PRESCRIPTION;
drop table MEDICINE;
drop table PATIENT;
drop table APPOINTMENT;
drop table ROOM_MAINTENANCE;
drop table STAFF_SERVES;
drop table EQUIPMENT;
drop table APPOINTMENT_STAFF;

create table STAFF (
Ssn int not null,
Fname varchar(255) not null,
Minit char,
Lname varchar(255) not null,
Phone int,
Address varchar(255) not null,
Sex char not null,
Bdate date not null,
primary key(Ssn),
unique(Ssn),
check(Ssn >= 100000000 and Ssn < 1000000000),
check(Phone >= 1000000000 and Phone <= 10000000000),
check(Sex in ('F','M'))
);

create table STAFF_JOB(
    Ssn int not null,
    Jobtype varchar(255) not null,
    Salary decimal(10,2) not null,
    Dnumber int not null,
    primary key(Ssn,Jobtype),
    foreign key(Ssn) references STAFF(Ssn) on update cascade on delete
cascade,
foreign key(Dnumber) references DEPARTMENT(Dnumber) on update cascade on
delete cascade,
check(Ssn >= 100000000 and Ssn < 1000000000),
check(salary >= 0),
check(Dnumber >= 0)
);

create table DEPARTMENT(
    Dnumber int not null,
    Name varchar(100) not null,
```

```
    Floor int not null,
    primary key(Dnumber),
    check(Dnumber >= 0)
);

create table ROOM(
Rnumber int not null,
RType varchar(255) not null,
Dnumber int not null,
primary key(Rnumber),
foreign key(Dnumber) references DEPARTMENT(Dnumber) on update cascade on
delete cascade,
check(Rnumber >= 0),
check(Dnumber >= 0)
);

create table PRESCRIPTION(
Staff_ssn int not null,
Mcode int not null,
Patient_ssn int not null,
Date date not null,
Quantity int not null,
Primary key(staff_ssn,Mcode,Patient_ssn),
foreign key(Staff_ssn) references STAFF(Ssn) on update cascade on delete
cascade,
foreign key (Mcode) references MEDICINE(Mcode) on update cascade on
delete cascade,
foreign key(Patient_ssn) references Patient(Ssn) on update cascade on
delete cascade,
check(Mcode >= 0),
check(Staff_ssn >= 100000000 and Staff_ssn < 1000000000),
check(Patient_ssn >= 100000000 and Patient_ssn < 1000000000),
check(Quantity > 0)
);

create table MEDICINE(
    Mcode int not null,
    Name varchar(255) not null,
    Type varchar(255) not null,
    Price decimal(10,2) not null,
    primary key(Mcode),
    check(Mcode >= 0)
);

create table PATIENT(
    Ssn int not null,
    Fname varchar(255) not null,
    Minit char,
    Lname varchar(255) not null,
    Phone int,
    Address varchar(255) not null,
    Sex char not null,
    Bdate date not null,
    primary key(Ssn),
check(Ssn >= 100000000 and Ssn < 1000000000),
check(Phone >= 1000000000 and Phone <= 10000000000),
```

```sql
    check(Sex in ('F','M'))
);

create table APPOINTMENT(
    Anumber int not null,
    Patient_ssn int not null,
    Date date not null,
    Time time not null,
    Duration decimal(10,2) not null,
    Dnumber int not null,
    Primary key(Anumber, Patient_ssn),
    unique(Anumber),
foreign key(Patient_ssn) references PATIENT(Ssn) on update cascade on
delete cascade,
foreign key(Dnumber) references DEPARTMENT(Dnumber) on update cascade on
delete cascade,
check(Anumber >= 0),
check(Patient_ssn >= 100000000 and Patient_ssn< 1000000000),
check(Duration > 0),
check(Dnumber >= 0)
);

create table ROOM_MAINTENANCE(
    Staff_ssn int not null,
    Rnumber int not null,
    primary key(staff_ssn, Rnumber),
    foreign key(Staff_ssn) references STAFF(Ssn) on update cascade on
delete cascade,
foreign key(Rnumber) references ROOM(Rnumber) on update cascade on
delete cascade,
check(Staff_ssn >= 100000000 and Staff_ssn < 1000000000),
check(Rnumber >= 0)
);

create table STAFF_SERVES(
    Staff_ssn int not null,
    Patient_ssn int not null,
    primary key(staff_ssn, patient_ssn),
    foreign key(Staff_ssn) references STAFF(Ssn) on update cascade on
delete cascade,
foreign key(Patient_ssn) references Patient(Ssn) on update cascade on
delete cascade,
check(Staff_ssn >= 100000000 and Staff_ssn < 1000000000),
check(Patient_ssn >= 100000000 and Patient_ssn < 1000000000)
);

create table EQUIPMENT(
    Serial int not null,
Ename varchar(255) not null,
ERoom varchar(255) not null,
    Primary key(Serial),
    check(Serial  >= 0)
);

create table APPOINTMENT_STAFF(
    Anumber int not null,
```

```
    Staff_ssn int not null,
    primary key(Anumber, Staff_ssn),
    unique(Anumber),
foreign key(Anumber) references APPOINTMENT(Anumber) on update cascade
on delete cascade,
foreign key(Staff_ssn) references STAFF(Ssn) on update cascade on delete
cascade,
    check(Anumber >= 0),
    check(Staff_ssn >= 100000000 and Staff_ssn < 1000000000)
);
```

Sample Data Insertion

```
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (171593644, 'Emylee', 'U', 'Fitzroy', 1048851665, '839 Vahlen
Drive', 'F', '1969-09-06');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (740322893, 'Cindy', 'X', 'Issett', 6255447289, '18 Schurz Park',
'F', '1970-04-25');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (301784411, 'Francisco', 'B', 'Mercer', 3342530917, '5797
Beilfuss Lane', 'M', '1991-08-14');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (202646439, 'Nathan', 'E', 'Stuckes', 1422735820, '48933 Holmberg
Drive', 'M', '1981-05-27');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (847886403, 'Ambrosi', 'J', 'Colnett', 7243388228, '04875
Messerschmidt Junction', 'M', '1996-02-07');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (786752750, 'Coop', 'H', 'MacFall', 8268862394, '2 Hoepker
Place', 'M', '1968-09-22');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (328577894, 'Graehme', 'D', 'Grinsdale', 7939778058, '85
Independence Road', 'M', '1969-06-26');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (601449324, 'Ernesta', 'F', 'Flaubert', 4621688786, '429 Marcy
Junction', 'F', '1997-09-26');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (491504223, 'Rivy', 'F', 'De Domenici', 4425282914, '2 Scofield
Lane', 'F', '2001-06-21');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (663713673, 'Lucias', 'V', 'Blakelock', 4554779648, '69804 Katie
Plaza', 'M', '1996-06-02');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (563056652, 'Desmond', 'T', 'Esh', 7026274907, '4 Grim Parkway',
'M', '1977-08-29');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (896371272, 'Francesca', 'D', 'Sandle', 5973035831, '57 Ohio
Street', 'F', '1979-12-31');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (753279717, 'Sandie', 'B', 'Gonzalez', 9652081257, '0033 Kedzie
Point', 'F', '1972-01-29');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (725317895, 'Dilan', 'R', 'Broggio', 2601605524, '6 Stang Point',
'M', '1986-10-03');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (733800983, 'Jed', 'A', 'Hambly', 4954970334, '15 Randy
Crossing', 'M', '1990-01-01');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (447394533, 'Asia', 'A', 'Gallafant', 6632053235, '5 Tennessee
```

```sql
Court', 'F', '1995-10-19');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (285778758, 'Noni', 'O', 'Osinin', 5085100963, '857 Shasta
Point', 'F', '1978-06-04');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (640868652, 'Aguste', 'V', 'Lepoidevin', 2457776178, '6709 Kim
Lane', 'M', '1975-07-07');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (113579814, 'Alfie', 'Q', 'Regi', 3887294444, '0046 Marquette
Plaza', 'M', '1984-10-10');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (148432395, 'Otis', 'J', 'Gaspar', 8879507721, '2991 Sauthoff
Court', 'M', '1992-04-07');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (270657924, 'Cindy', 'F', 'Cornall', 6868239525, '4 Memorial
Terrace', 'F', '1980-04-14');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (498617092, 'Pace', 'L', 'MacLleese', 3466530262, '60 Forster
Court', 'M', '1980-07-20');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (874358493, 'Aimil', 'C', 'Tzar', 5475265830, '187 Drewry
Avenue', 'F', '1993-09-22');

insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (264088545, 'Arabelle', 'F', 'Del Castello', 4655953722, '55
Manitowish Lane', 'F', '1972-08-25');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (324756340, 'Steward', 'O', 'Branche', 7423544021, '68987 East
Center', 'M', '1997-06-13');
insert into STAFF (Ssn, Fname, Minit, Lname, Phone, Address, Sex, Bdate)
values (555383492, 'Anjela', 'D', 'Hourston', 2963671014, '4381 Eastwood
Circle', 'F', '1976-03-02');

insert into DEPARTMENT (Dnumber, Name, Floor) values (01, 'Cardiology',
6);
insert into DEPARTMENT (Dnumber, Name, Floor) values (02, 'Critical
Care', 6);
insert into DEPARTMENT (Dnumber, Name, Floor) values (04,
'Gastroenterology', 4);
insert into DEPARTMENT (Dnumber, Name, Floor) values (05, 'Haematology',
3);
insert into DEPARTMENT (Dnumber, Name, Floor) values (06, 'Gynaecology',
3);
insert into DEPARTMENT (Dnumber, Name, Floor) values (07, 'Nephrology',
3);
insert into DEPARTMENT (Dnumber, Name, Floor) values (08, 'Nurse', 2);

insert into DEPARTMENT (Dnumber, Name, Floor) values (09, 'Security',
1);

insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (171593644,
'Doctor', 25000, 01);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (740322893,
'Doctor', 20000, 01);
```

```
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (301784411,
'Doctor', 30000, 01);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (202646439,
'Doctor', 45000, 02);

insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (847886403,
'Doctor', 50000, 02);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (786752750,
'Doctor', 20000, 02);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (328577894,
'Doctor', 21000, 03);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (601449324,
'Doctor', 31000, 03);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (491504223,
'Doctor', 34000, 03);

insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (663713673,
'Doctor', 20000, 04);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (563056652,
'Doctor', 60000, 04);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (896371272,
'Doctor', 40000, 05);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (753279717,
'Doctor', 41000, 05);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (725317895,
'Doctor', 80000, 06);

insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (733800983,
'Doctor', 81000, 06);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (447394533,
'Doctor', 90000, 06);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (285778758,
'Doctor', 79000, 06);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (640868652,
'Doctor', 85000, 06);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (113579814,
'Doctor', 60000, 07);

insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (148432395,
'Doctor', 61000, 07);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (270657924,
'Doctor', 68000, 07);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (498617092,
'Doctor', 63000, 07);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (874358493,
'Doctor', 57000, 07);

insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (264088545,
'Nurse', 20000, 08);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (324756340,
'Nurse', 20000, 08);
insert into STAFF_JOB (Ssn, Jobtype, Salary, Dnumber) values (555383492,
'Security', 15000, 09);

insert into ROOM (Rnumber, RType, Dnumber) values (01, 'Office', 01);
insert into ROOM (Rnumber, RType, Dnumber) values (02, 'Office', 02);
```

```sql
insert into ROOM (Rnumber, RType, Dnumber) values (03, 'Office', 03);
insert into ROOM (Rnumber, RType, Dnumber) values (04, 'Office', 04);

insert into ROOM (Rnumber, RType, Dnumber) values (05, 'Office', 05);
insert into ROOM (Rnumber, RType, Dnumber) values (06, 'Office', 06);
insert into ROOM (Rnumber, RType, Dnumber) values (07, 'Office', 06);
insert into ROOM (Rnumber, RType, Dnumber) values (08, 'Office', 07);
insert into ROOM (Rnumber, RType, Dnumber) values (09, 'Office', 08);

insert into ROOM (Rnumber, RType, Dnumber) values (10, 'Office', 09);
insert into ROOM (Rnumber, RType, Dnumber) values (11, 'Equipment', 01);
insert into ROOM (Rnumber, RType, Dnumber) values (12, 'Equipment', 01);
insert into ROOM (Rnumber, RType, Dnumber) values (13, 'Equipment', 01);

insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (352320890, 'Ellwood', 'O', 'Overstall', 8125853664, '5
Hovde Pass', 'M', '1962-09-15');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (866665846, 'Sianna', 'F', 'Bazoche', 1421855506, '11745
Rockefeller Place', 'F', '2001-01-05');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (130932527, 'Lion', 'B', 'McKean', 7439486046, '7149
International Street', 'M', '2013-07-05');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (636492310, 'Athene', 'H', 'Petts', 4394348153, '07199
Kedzie Circle', 'F', '1977-08-08');

insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (676030269, 'Craggy', 'Q', 'McMeekan', 1921532601, '3
Magdeline Crossing', 'M', '1968-06-13');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (827264668, 'Joyce', 'O', 'Klemmt', 3074364582, '24870
Petterle Terrace', 'F', '2008-08-13');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (528017265, 'Dulcea', 'H', 'Aliberti', 6506426308, '42891
East Drive', 'F', '1972-02-07');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (318482900, 'Ransell', 'H', 'De Bruin', 4718867896, '1
Hallows Circle', 'M', '1992-12-12');

insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (721442372, 'Nerte', 'A', 'Ernke', 7147421163, '395 Debs
Way', 'F', '2019-06-22');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (214544009, 'Harrietta', 'V', 'Yepiskov', 8419999314, '142
Delladonna Court', 'F', '1980-03-05');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (467090920, 'Guido', 'W', 'Roja', 6449834916, '734 Mifflin
Parkway', 'M', '1989-07-17');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (550069860, 'Kelsi', 'P', 'Kiffin', 9512553449, '63 Muir
Junction', 'F', '2003-03-29');

insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (869082232, 'Rivalee', 'U', 'Willmott', 1716058230, '2045
Eastwood Alley', 'F', '1995-10-30');
```

```sql
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (277402429, 'Teodora', 'U', 'Ashelford', 8819079226,
'36909 Graedel Place', 'F', '1980-07-27');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (120709587, 'Caz', 'S', 'Dunbleton', 1763927724, '17
Onsgard Center', 'M', '2019-08-23');
insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (595267053, 'Dorthea', 'E', 'Hendron', 2782676513, '8
Spenser Circle', 'F', '2017-01-23');

insert into PATIENT (Ssn, Fname, Minit, Lname, Phone, Address, Sex,
Bdate) values (831425670, 'Anestassia', 'X', 'Pyburn', 5689404591, '7825
Bartillon Street', 'F', '1999-07-28');

insert into MEDICINE (Mcode, Name, Type, Price) values (18, 'oxycodone
hydrochloride', 'oxycodone hydrochloride', 40553.82);
insert into MEDICINE (Mcode, Name, Type, Price) values (28, 'Titanium
Dioxide and Zinc Oxide', 'bareMinerals Advanced Protection SPF 20
Moisturizer', 54306.59);
insert into MEDICINE (Mcode, Name, Type, Price) values (89,
'Famciclovir', 'Famciclovir', 69185.43);
insert into MEDICINE (Mcode, Name, Type, Price) values (88,
'DEXTROMETHORPHAN HYDROBROMIDE, GUAIFENESIN', 'Childrens Mucus Relief
Cherry', 35677.98);
insert into MEDICINE (Mcode, Name, Type, Price) values (62, 'Magnesium
Hydroxide', 'Milk of Magnesia Mint', 83492.31);

insert into MEDICINE (Mcode, Name, Type, Price) values (95,
'nizatidine', 'AXID AR', 70514.44);
insert into MEDICINE (Mcode, Name, Type, Price) values (4, 'Octinoxate
and Titanium Dioxide', 'No7 Beautifully Matte Foundation Sunscreen Broad
Spectrum SPF 15 Cool Beige', 40326.93);
insert into MEDICINE (Mcode, Name, Type, Price) values (91, 'sodium
bicarbonate, tartaric acid', 'Brioschi Effervescent Antacid', 69396.0);
insert into MEDICINE (Mcode, Name, Type, Price) values (46, 'Camphor,
Menthol, Methyl Salicylate', 'Equate Pain Relieving', 39599.28);

insert into MEDICINE (Mcode, Name, Type, Price) values (40, 'OCTINOXATE,
TITANIUM DIOXIDE', 'PARURE DE LUMIERE LIGHT-DIFFUSING FOUNDATION WITH
SUNSCREEN MOISTURE INFUSION BROAD SPECTRUM SPF 25 23 DORE NATUREL',
834436.28);

insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (171593644, 18, 352320890, '2019-07-16', 4);
insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (171593644, 28, 866665846, '2019-12-08', 9);
insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (740322893, 89, 866665846, '2020-10-12', 10);

insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (740322893, 88, 352320890, '2020-02-24', 4);
insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (740322893, 62, 352320890, '2019-05-14', 2);
insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (301784411, 95, 130932527, '2019-07-04', 7);
insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
```

```sql
values (301784411, 4, 636492310, '2020-11-12', 6);

insert into PRESCRIPTION (Staff_ssn, Mcode, Patient_ssn, Date, Quantity)
values (301784411, 91, 352320890, '2020-02-26', 7);

insert into EQUIPMENT (Serial, Ename, ERoom) values (85, 'X-Ray', 1);
insert into EQUIPMENT (Serial, Ename, ERoom) values (16, 'Ultrasound
Scan', 2);
insert into EQUIPMENT (Serial, Ename, ERoom) values (75, 'Angiography',
3);
insert into EQUIPMENT (Serial, Ename, ERoom) values (78, 'CT', 4);
insert into EQUIPMENT (Serial, Ename, ERoom) values (36, 'MRI', 5);

insert into EQUIPMENT (serial, Ename, ERoom) values (35, 'NMRI', 5);
insert into EQUIPMENT (serial, Ename, ERoom) values (79, 'CT', 12);
insert into EQUIPMENT (serial, Ename, ERoom) values (37, 'MRI', 11);
insert into EQUIPMENT (serial, Ename, ERoom) values (38, 'NMRI', 11);

insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (555383492, 1);
insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (555383492, 2);
insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (555383492, 3);

insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (555383492, 4);
insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (202646439, 5);
insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (202646439, 6);

insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (202646439, 11);
insert into ROOM_MAINTENANCE(Staff_ssn, Rnumber) values (202646439, 12);

insert into APPOINTMENT (Anumber, Patient_ssn, Date, Time, Duration,
Dnumber) values (25, 827264668, '2020-12-04', '09:30', 3, 01);
insert into APPOINTMENT (Anumber, Patient_ssn, Date, Time, Duration,
Dnumber) values (45, 827264668, '2020-10-09', '09:00', 3, 02);
insert into APPOINTMENT (Anumber, Patient_ssn, Date, Time, Duration,
Dnumber) values (38, 827264668, '2020-10-10', '10:00', 2, 03);
insert into APPOINTMENT (Anumber, Patient_ssn, Date, Time, Duration,
Dnumber) values (68, 721442372, '2020-10-11', '13:00', 1, 04);
insert into APPOINTMENT (Anumber, Patient_ssn, Date, Time, Duration,
Dnumber) values (91, 721442372, '2020-10-13', '14:00', 5, 05);

insert into APPOINTMENT_STAFF (Anumber, Staff_ssn) values (25,
328577894);
insert into APPOINTMENT_STAFF (Anumber, Staff_ssn) values (45,
328577894);
insert into APPOINTMENT_STAFF (Anumber, Staff_ssn) values (38,
601449324);

insert into APPOINTMENT_STAFF (Anumber, Staff_ssn) values (68,
663713673);
insert into APPOINTMENT_STAFF (Anumber, Staff_ssn) values (91,
753279717);

insert into STAFF_SERVES (Staff_ssn, Patient_ssn) values (328577894,
827264668);
insert into STAFF_SERVES (Staff_ssn, Patient_ssn) values (328577894,
721442372);
```

```
insert into STAFF_SERVES (Staff_ssn, Patient_ssn) values (601449324,
827264668);

insert into STAFF_SERVES (Staff_ssn, Patient_ssn) values (663713673,
214544009);
insert into STAFF_SERVES (Staff_ssn, Patient_ssn) values (753279717,
467090920);
pragma foreign_keys = true;
```