CREATE TABLE [Invictus.Landlord](

lId CHAR(2) NOT NULL,

lFName VARCHAR(20),

lMInit VARCHAR(1),

lLName VARCHAR(20),

lPhoneNum CHAR(10),

CONSTRAINT pk\_Landlord\_lId PRIMARY KEY (lId));

CREATE TABLE [Invictus.Building](

bId CHAR(2) NOT NULL,

bName VARCHAR(20),

CONSTRAINT pk\_Building\_bId PRIMARY KEY (bId));

CREATE TABLE [Invictus.Apartment](

aptId CHAR(5) NOT NULL,

floorplan VARCHAR(5),

direction CHAR(1),

bId CHAR(2),

lId CHAR(2),

CONSTRAINT pk\_Apartment\_aptId PRIMARY KEY (aptId),

CONSTRAINT fk\_Apartment\_bId FOREIGN KEY (bId)

REFERENCES [Invictus.Building](bId)

ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT fk\_Apartment\_lId FOREIGN KEY (lId)

REFERENCES [Invictus.Landlord] (lId)

ON DELETE NO ACTION ON UPDATE NO ACTION);

CREATE TABLE [Invictus.Maintenance](

mSSN CHAR(9) NOT NULL,

mFName VARCHAR(20),

mMInit VARCHAR(1),

mLName VARCHAR(20),

mPhoneNum CHAR(10),

mLoc VARCHAR(50),

CONSTRAINT pk\_Maintenance\_mSSN PRIMARY KEY (mSSN));

CREATE TABLE [Invictus.Serve](

mSSN CHAR(9) NOT NULL,

aptId CHAR(5) NOT NULL,

mDate DATE,

mFee Numeric(5),

CONSTRAINT pk\_Serve\_mSSN\_aptId PRIMARY KEY (mSSN,aptId),

CONSTRAINT fk\_Serve\_mSSN FOREIGN KEY (mSSN)

REFERENCES [Invictus.Maintenance] (mSSN)

ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT fk\_Serve\_aptId FOREIGN KEY (aptId)

REFERENCES [Invictus.Apartment] (aptId)

ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE [Invictus.BuildingLocation](

bLocation VARCHAR(50) NOT NULL,

bId CHAR(2) NOT NULL,

CONSTRAINT pk\_BuildingLocation\_bLocation\_bId PRIMARY KEY (bLocation,bId),

CONSTRAINT fk\_BuildingLocation\_bId FOREIGN KEY (bId)

REFERENCES [Invictus.Building] (bId)

ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE [Invictus.Leasing](

leaseId CHAR(5) NOT NULL,

startDate DATE,

endDate DATE,

leaseFee NUMERIC(7),

deposit NUMERIC(7),

CONSTRAINT pk\_Leasing\_leaseId PRIMARY KEY (leaseId));

CREATE TABLE [Invictus.Tenant](

tId CHAR(5) NOT NULL,

tFName VARCHAR(20),

tMInit VARCHAR(1),

tLName VARCHAR(20),

dOB DATE,

gender CHAR,

tPhoneNum CHAR(10),

email VARCHAR(50),

leaseId CHAR(5),

CONSTRAINT pk\_Tenant\_tId PRIMARY KEY (tId),

CONSTRAINT fk\_Tenant\_leaseId FOREIGN KEY (leaseId)

REFERENCES [Invictus.Leasing] (leaseId)

ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE [Invictus.EmergencyContacts](

tId CHAR(5) NOT NULL,

emName VARCHAR(50) NOT NULL,

emPhoneNum CHAR(10),

relationship VARCHAR(20),

CONSTRAINT pk\_EmergencyContacts\_tId\_emName PRIMARY KEY (tId,emName),

CONSTRAINT FK\_EmergencyContacts\_tId FOREIGN KEY (tId)

REFERENCES [Invictus.Tenant] (tId)

ON DELETE CASCADE ON UPDATE CASCADE);

DROP TABLE [Invictus.EmergencyContacts]

DROP TABLE [Invictus.BuildingLocation]

DROP TABLE [Invictus.Serve]

DROP TABLE [Invictus.Tenant]

DROP TABLE [Invictus.Maintenance]

DROP TABLE [Invictus.Apartment]

DROP TABLE [Invictus.Building]

DROP TABLE [Invictus.Landlord]

DROP TABLE [Invictus.Leasing]

INSERT INTO [Invictus.Landlord] VALUES

('66', 'Li', NULL, 'Quan', '3014549443')

INSERT INTO [Invictus.Building] VALUES

('b2', 'Mazza Grandmarc')

INSERT INTO [Invictus.Apartment] VALUES

('b2451', '2', 'South', 'b2', '66')

INSERT INTO [Invictus.Maintenance] VALUES

('301314331', 'Mike', NULL, 'Robert', '0000001234', 'Basementb1000')

INSERT INTO [Invictus.Serve] VALUES

('301314332', 'b2103', 12/07/2018, '666')

INSERT INTO [Invictus.BuidingLocation] VALUES

('b2 9530 Baltimore Ave, College Park, MD 20740', 'b2')

INSERT INTO [Invictus.Leasing] VALUES

('66666' , 08/15/2018,07/31/2019, '666', '666')

INSERT INTO [Invictus.Tenant] VALUES

('00001', 'George', NULL, 'Smith', 11/19/1996, 'M', '0000001111', 'GeorgeS96@gmail.com', '66666')

INSERT INTO [Invictus.EmergencyContacts] VALUES

('00012', 'Mary', '3013140000', 'Mother')

INSERT INTO [Invictus.Landlord] VALUES

('66', 'Li', NULL, 'Quan', '3014549443')

INSERT INTO [Invictus.Building] VALUES

('b2', 'Mazza Grandmarc')

INSERT INTO [Invictus.Apartment] VALUES

('b2451', '2', 'South', 'b2', '66')

INSERT INTO [Invictus.Maintenance] VALUES

('301314331', 'Mike', NULL, 'Robert', '0000001234', 'Basementb1000')

INSERT INTO [Invictus.Serve] VALUES

('301314332', 'b2103', 12/07/2018, '666')

INSERT INTO [Invictus.BuidingLocation] VALUES

('b2 9530 Baltimore Ave, College Park, MD 20740', 'b2')

INSERT INTO [Invictus.Leasing] VALUES

('00002' , 08/15/2018,07/31/2019, '666', '666')

INSERT INTO [Invictus.Tenant] VALUES

('34564', 'Steve', NULL, 'Jackson', 01/02/1974, 'M', '0000002222', 'SteveJ74@gmail.com', '20001')

INSERT INTO [Invictus.EmergencyContacts] VALUES

('00013', 'David', '3013140001', 'Father')

INSERT INTO [Invictus.Landlord] VALUES

('l3','jingtian','L','Li','3195940517')

INSERT INTO [Invictus.Building] VALUES

('b3','Mayflowers')

INSERT INTO [Invictus.Apartment] VALUES

('b3101','2b2b','N','b3','l3')

INSERT INTO [Invictus.Maintenance] VALUES

('345634212','Daniel','D','Jones','3012343653','basementb1000')

INSERT INTO [Invictus.Serve] VALUES

('345634212','b3101',2017-12-24,'74')

INSERT INTO [Invictus.BuildingLocation] VALUES

('b2 9530 Baltimore Ave, College Park, MD20740','b3')

INSERT INTO [Invictus.Leasing] VALUES

('l4396',07/01/2017,07/01/2019,1520,1520)

INSERT INTO [Invictus.Tenant] VALUES

('t0123','kai','','ming',02/03/1980,'F','30198643432','kmmmmm@gmail.com','l4396')

INSERT INTO [Invictus.EmergencyContacts] VALUES

('t0123','xu hui','3016539876','mother')

INSERT INTO [Invictus.Landlord] VALUES

('l3','jingtian','L','Li','3195940517')

INSERT INTO [Invictus.Building] VALUES

('b3','Mayflowers')

INSERT INTO [Invictus.Apartment] VALUES

('b3102','2b1b','N','b3','l3')

INSERT INTO [Invictus.Maintenance] VALUES

('986383898','Wilson','P','Chandler','3019876549','basementb1000')

INSERT INTO [Invictus.Serve] VALUES

('986383898','b3102',3/25/2017,34)

INSERT INTO [Invictus.BuildingLocation] VALUES

('b2 9530 Baltimore Ave, College Park, MD20740','b3')

INSERT INTO [Invictus.Leasing] VALUES

('l4397',7/1/2017,7/1/2019,2000,2000)

INSERT INTO [Invictus.Tenant] VALUES

('t0124','yalong','','sun',1988/9/23,'M','3126542753','jdkfj@hotmail.com','l3297')

INSERT INTO [Invictus.EmergencyContacts] VALUES

('t0124','sun xiaochuan','3198760985','brother')

INSERT INTO [Invictus.Landlord] VALUES

('77', 'Mingfeng', NULL, 'Shen', '3014549235')

INSERT INTO [Invictus.Building] VALUES

('b1', 'Antimage')

INSERT INTO [Invictus.Apartment] VALUES

('b1103', '1', 'South', 'b1', '77')

INSERT INTO [Invictus.Maintenance] VALUES

('3337778889', 'Jerry', NULL, 'King', '5647893726', 'Basementb1000')

INSERT INTO [Invictus.Serve] VALUES

('3337778889', 'b1103', 11/10/2018, '888')

INSERT INTO [Invictus.BuidingLocation] VALUES

('b1 9530 Baltimore Ave, College Park, MD 20740', 'b1')

INSERT INTO [Invictus.Leasing] VALUES

('77777' , 1/1/2018,12/11/2019, '777', '777')

INSERT INTO [Invictus.Tenant] VALUES

('67895', 'Tom', NULL, 'Bryant', 11/11/1995, 'M', '8979878976', '[TomB@gmail.com](http://TomB@gmail.com)', '77777')

INSERT INTO [Invictus.EmergencyContacts] VALUES

('67895', 'Ramze', '7667667667', 'Son')

INSERT INTO [Invictus.Landlord] VALUES

('77', 'Mingfeng', NULL, 'Shen', '3014549235')

INSERT INTO [Invictus.Building] VALUES

('b1', 'Antimage')

INSERT INTO [Invictus.Apartment] VALUES

('b11003', '10', 'South', 'b1', '77')

INSERT INTO [Invictus.Maintenance] VALUES

('3337778889', 'Jerry', NULL, 'King', '5647893726', 'Basementb1000')

INSERT INTO [Invictus.Serve] VALUES

('3337778889', 'b11003', 10/10/2018, '123')

INSERT INTO [Invictus.BuidingLocation] VALUES

('b1 9530 Baltimore Ave, College Park, MD 20740', 'b1')

INSERT INTO [Invictus.Leasing] VALUES

('67567' , 3/1/2018,9/11/2019, '777', '777')

INSERT INTO [Invictus.Tenant] VALUES

('34564', 'Jesus', NULL, 'Baby', 3/3/1995, 'M', '0009999898', '[JesusB@gmail.com](http://JesusB@gmail.com)', '67567')

INSERT INTO [Invictus.EmergencyContacts] VALUES

('34564', 'Rua', '3789098762', 'Son')