CREATE TABLE Hotel (

hotelNo INTEGER,

hotelName VARCHAR(30),

city VARCHAR(30),

PRIMARY KEY(hotelNo)

);

CREATE TABLE Room (

roomNo INTEGER,

hotelNo INTEGER,

tipo VARCHAR(6),

price NUMERIC (2),

PRIMARY KEY(roomNo),

FOREIGN KEY (hotelNo) REFERENCES Hotel,

CONSTRAINT tipo CHECK (tipo IN('Single', 'Double', 'Family')),

CONSTRAINT price CHECK (price BETWEEN 10 and 100),

CONSTRAINT roomNo CHECK (roomNo BETWEEN 1 and 120)

);

CREATE TABLE Guest (

guestNo INTEGER,

guestName VARCHAR(30),

guestAddress VARCHAR(30),

PRIMARY KEY(guestNo)

);

CREATE TABLE Booking (

hotelNo INTEGER,

guestNo INTEGER,

dateFrom DATE,

dateTo DATE,

roomNo INTEGER,

PRIMARY KEY(hotelNo, guestNo, dateFrom),

FOREIGN KEY (hotelNo) REFERENCES hotel,

FOREIGN KEY (guestNo) REFERENCES Guest,

FOREIGN KEY (roomNo) REFERENCES Room,

CONSTRAINT dateFrom CHECK (dateFrom < dateTo)

);

INSERT INTO Hotel VALUES (1097, 'Hotel A', 'Cali');

INSERT INTO Hotel VALUES (1792, 'Hotel B', 'Bogota');

INSERT INTO Hotel VALUES (1777, 'Hotel C', 'Medellin');

INSERT INTO Hotel VALUES (1252, 'Hotel D', 'Pereira');

INSERT INTO Hotel VALUES (1597, 'Hotel E', 'Manizales');

INSERT INTO Room VALUES (69, 1097, 'Single', 31);

INSERT INTO Room VALUES (46, 1792, 'Double', 27);

INSERT INTO Room VALUES (117, 1777, 'Single', 65);

INSERT INTO Room VALUES (54, 1252, 'Family', 23);

INSERT INTO Room VALUES (37, 1597, 'Single', 83);

INSERT INTO Guest VALUES (2283, 'Diana Aribel Guzman', 'Calle1');

INSERT INTO Guest VALUES (2131, 'Sebastian Barrera', 'Calle2');

INSERT INTO Guest VALUES (2345, 'Gustavo Adolfo Restrepo', 'Calle3');

INSERT INTO Guest VALUES (2454, 'Miguel Madriñan', 'Calle4');

INSERT INTO Guest VALUES (2546, 'Fernando Bravo', 'Calle5');

INSERT INTO Booking VALUES (1097, 2283, '14/Feb/2023', '19/Feb/2023', 69);

INSERT INTO Booking VALUES (1792, 2131, '6/Feb/2023', '12/Feb/2023', 46);

INSERT INTO Booking VALUES (1777, 2345, '3/Apr/2023', '10/Apr/2023', 117);

INSERT INTO Booking VALUES (1252, 2454, '2/May/2023', '10/May/2023', 54);

INSERT INTO Booking VALUES (1597, 2546, '17/Feb/2023', '26/Feb/2023', 37);