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

);