-- Original Tables

CREATE TABLE dbo\_Customer (

PhoneNumber VARCHAR(15) PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

DateOfBirth DATE,

Address VARCHAR(255),

Email VARCHAR(100)

);

CREATE TABLE dbo\_Booking (

BookingID INT PRIMARY KEY,

RoomNumber INT,

Customer\_PhoneNumber VARCHAR(15),

CheckInDate DATE,

CheckOutDate DATE,

FOREIGN KEY (Customer\_PhoneNumber) REFERENCES dbo\_Customer(PhoneNumber)

);

CREATE TABLE dbo\_Employee (

EmployeeID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

DateOfBirth DATE,

PhoneNumber VARCHAR(15)

);

-- New Table for Hotel Locations

CREATE TABLE dbo\_Hotel (

HotelID INT PRIMARY KEY,

Hotel\_Location VARCHAR(255)

);

-- Association Table to link dbo\_**Booking** with dbo\_**Hotel**

CREATE TABLE dbo\_Booking\_Hotel (

BookingID INT,

HotelID INT,

PRIMARY KEY (BookingID, HotelID),

FOREIGN KEY (BookingID) REFERENCES dbo\_Booking(BookingID),

FOREIGN KEY (HotelID) REFERENCES dbo\_Hotel(HotelID)

);

-- Association Table to link dbo\_**Employee** with dbo\_**Hotel**

CREATE TABLE dbo\_Employee\_Hotel (

EmployeeID INT,

HotelID INT,

PRIMARY KEY (EmployeeID, HotelID),

FOREIGN KEY (EmployeeID) REFERENCES dbo\_Employee(EmployeeID),

FOREIGN KEY (HotelID) REFERENCES dbo\_Hotel(HotelID)

);

2.Relationship

* Is-a:Employ is-a Person
* Contains: Hotel contains Rooms
* Is-related-to: Booking is related to Customer.