--DROP DATABASE BusReservationSystemDB

CREATE DATABASE BusReservationSystemDB

--DROP TABLE BookingDetails

USE BusReservationSystemDB

CREATE TABLE BusInfo(

BusId INT IDENTITY(101,1) PRIMARY KEY,

BusName VARCHAR(30) NOT NULL,

TotalSeats INT NOT NULL,

--CategoryId

)

CREATE TABLE CategoryInfo(

CategoryId INT IDENTITY(201,1) PRIMARY KEY,

CategoryName VARCHAR(30) NOT NULL

)

CREATE TABLE RouteInfo(

RouteId INT IDENTITY(301,1) PRIMARY KEY,

[Source] VARCHAR(30) NOT NULL,

[Destination] VARCHAR(30) NOT NULL,

ViaRoute VARCHAR(30),

Distance FLOAT NOT NULL,

)

CREATE TABLE BusSchedule(

Id INT IDENTITY(401,1) PRIMARY KEY,

DepartureDate DATE NOT NULL,

ReturnDate DATE,

DepartureTime TIME NOT NULL,

ArrivalTime TIME NOT NULL,

Duration TIME NOT NULL

--BusId,RouteId

)

CREATE TABLE Booking(

BookingId INT IDENTITY(501,1) PRIMARY KEY,

ActualFare FLOAT,

NofSeats INT NOT NULL, --Number of seats user want to book

--ID

)

CREATE TABLE PassengerInfo(

PassengerId INT IDENTITY(601,1) PRIMARY KEY,

PassengerName VARCHAR(30) NOT NULL,

Gender VARCHAR(10) NOT NULL,

Age INT NOT NULL,

Contact BIGINT NOT NULL

)

--Roles,User table created by code first approach

CREATE TABLE BookingDetails(

BookingId INT NOT NULL,

PassengerId INT NOT NULL,

SeatNo varchar(30)

--Linker Table with BookingID and PassengerID as fK

)

CREATE TABLE FareInfo(

FareInfoId INT IDENTITY(1,1) PRIMARY KEY,

CategoryId INT NOT NULL,

Age INT NOT NULL,

Fare FLOAT

--CategoryID as FK

)

create table SeatInfo (SeatId int primary key identity(1,1),BusId int,AvailableSeat Varchar(20))