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Task 1: Database Creation and Table Setup
CREATE DATABASE RailwayManagementDB;
USE RailwayManagementDB;
CREATE TABLE Trains (
  TrainID INT,
  TrainName VARCHAR(50),
  TrainType VARCHAR(50),
  TotalSeats INT
);
CREATE TABLE Routes (
  RouteID INT,
  StartStation VARCHAR(50),
  EndStation VARCHAR(50),
  Distance INT
);
CREATE TABLE Schedules (
  ScheduleID INT,
  TrainID INT,
  RouteID INT,
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DepartureTime DATETIME,
  ArrivalTime DATETIME
);
CREATE TABLE Passengers (
  PassengerID INT,
  FirstName VARCHAR(50),
  LastName VARCHAR(50),
  Age INT,
  Email VARCHAR(100)
);
CREATE TABLE Bookings (
  BookingID INT,
  PassengerID INT,
  ScheduleID INT,
  BookingDate DATE,
  SeatNumber INT
);
-- Sample data insertion statements go here (omitted for brevity)
Task 2: Add Constraints After Data Insertion
ALTER TABLE Trains ADD PRIMARY KEY (TrainID);
ALTER TABLE Routes ADD PRIMARY KEY (RouteID);
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ALTER TABLE Schedules ADD PRIMARY KEY (ScheduleID);

ALTER TABLE Passengers ADD PRIMARY KEY (PassengerID);

ALTER TABLE Bookings ADD PRIMARY KEY (BookingID);

ALTER TABLE Schedules ADD FOREIGN KEY (TrainID) REFERENCES Trains(TrainID);

ALTER TABLE Schedules ADD FOREIGN KEY (RouteID) REFERENCES Routes(RouteID);

ALTER TABLE Bookings ADD FOREIGN KEY (PassengerID) REFERENCES Passengers(PassengerID);

ALTER TABLE Bookings ADD FOREIGN KEY (ScheduleID) REFERENCES Schedules(ScheduleID);

-- More tasks will be included in the following pages