CREATE DATABASE SNOOPY\_AIRLINES;

USE SNOOPY\_AIRLINES;

CREATE TABLE Aircraft (

Aircraft\_ID INT AUTO\_INCREMENT PRIMARY KEY,

Model VARCHAR(100) NOT NULL,

Has\_WiFi BOOLEAN NOT NULL,

Has\_Power\_Outlets BOOLEAN NOT NULL,

Number\_Of\_Seats INT NOT NULL

);

CREATE TABLE Flight (

Flight\_ID INT AUTO\_INCREMENT PRIMARY KEY,

Flight\_Number VARCHAR(10) NOT NULL,

Aircraft\_ID INT NOT NULL,

Departure DATETIME NOT NULL,

Arrival DATETIME NOT NULL,

Origin VARCHAR(100) NOT NULL,

Destination VARCHAR(100) NOT NULL,

FOREIGN KEY (Aircraft\_ID) REFERENCES Aircraft(Aircraft\_ID)

);

CREATE TABLE Reservation (

Reservation\_ID INT AUTO\_INCREMENT PRIMARY KEY,

Booking\_Reference\_Number VARCHAR(20) NOT NULL UNIQUE,

Flight\_ID INT NOT NULL,

Reservation\_Date DATETIME NOT NULL,

Is\_Checked\_In BOOLEAN NOT NULL,

FOREIGN KEY (Flight\_ID) REFERENCES Flight(Flight\_ID)

);

CREATE TABLE Reservation\_Contact (

Reservation\_Contact\_ID INT AUTO\_INCREMENT PRIMARY KEY,

Reservation\_ID INT NOT NULL,

Email VARCHAR(100) NOT NULL,

Phone VARCHAR(15) NOT NULL,

FOREIGN KEY (Reservation\_ID) REFERENCES Reservation(Reservation\_ID)

);

CREATE TABLE Passenger (

Passenger\_ID INT AUTO\_INCREMENT PRIMARY KEY,

Reservation\_ID INT NOT NULL,

First\_Name VARCHAR(50) NOT NULL,

Last\_Name VARCHAR(50) NOT NULL,

Date\_of\_Birth DATE NOT NULL,

FOREIGN KEY (Reservation\_ID) REFERENCES Reservation(Reservation\_ID)

);

-- Baggage table as a weak entity dependent on Passenger

CREATE TABLE Baggage (

Baggage\_ID INT AUTO\_INCREMENT,

Passenger\_ID INT,

Weight DECIMAL(5, 2) NOT NULL,

PRIMARY KEY (Baggage\_ID, Passenger\_ID),

FOREIGN KEY (Passenger\_ID) REFERENCES Passenger(Passenger\_ID)

);