CREATE TABLE Airport (AirportName VARCHAR(45) PRIMARY KEY NOT NULL);

CREATE TABLE Airplane (

         RegistrationNum VARCHAR(45) NOT NULL PRIMARY KEY,

         AirportName VARCHAR(45)not null,

         Capacity INT not null,

         Weight VARCHAR(30) not null,

         ModelNum VARCHAR(20) not null

    );

CREATE TABLE Employee (

         SSN CHAR(12) NOT NULL PRIMARY KEY,

         FirstName VARCHAR(25) NOT NULL,

         LastName VARCHAR(25),

         Addresse VARCHAR(100) NULL,

         City VARCHAR(25) NOT NULL,

         State CHAR(2) NOT NULL,

         ZipCode CHAR(5) NOT NULL,

         CellPhoneNum VARCHAR(12) NULL,

         HomePhoneNum VARCHAR(12) NULL,

         JobTitle VARCHAR(45) NULL,

         salary INT,

         AirportName VARCHAR(45) NOT NULL,

         HireDate DATE,

         Email VARCHAR(55) NULL UNIQUE

     );

CREATE TABLE MechanicTechnician (

         Expertise VARCHAR(45) NOT NULL,

         SSN CHAR(12) NOT NULL,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

             ON DELETE CASCADE ON UPDATE CASCADE,

         YearsOfExperience CHAR(2) NOT NULL

     );

CREATE TABLE AirTrafficController (

         SSN CHAR(12) NOT NULL,

         NedicalExam DATE,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

             ON DELETE CASCADE ON UPDATE CASCADE

     );

CREATE TABLE Pilot (

         FlightInstructor ENUM('yes', 'NO'),

         TotalFlightTime varchar(34),

         SSN CHAR(12) NOT NULL,

         AirlineTransportPilot ENUM('Yes', 'NO') NOT NULL,

         PrivatPilotCertificate ENUM('Yes', 'NO') NOT NULL,

         FAAMedical ENUM('Yes', 'No')NOT NULL,

         MultiEngineRate varchar(34) NULL,

         FAAWritten Enum('Passed', 'Failed') NOT NULL,

         Degree VARCHAR(45)NOT NULL,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

             ON DELETE CASCADE ON UPDATE CASCADE

     );

CREATE TABLE Test (

         FAA VARCHAR(15) PRIMARY KEY NOT NULL,

         TestName VARCHAR(50) NOT NULL,

         MaxScore INT NOT NULL,

         NumofHours INT NOT NULL,

         Test\_score INT NOT NULL,

         SSN CHAR(12) NOT NULL,

         RegistrationNum VARCHAR(30) NOT NULL,

         ExamDate DATE,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN),

         FOREIGN KEY (RegistrationNum)

             REFERENCES airplane (RegistrationNum)

             ON DELETE CASCADE ON UPDATE CASCADE

     );

CREATE TABLE FlightAttendant (

         SSN CHAR(12) NOT NULL,

         DegreeType VARCHAR(45) NOT NULL,

         Over18 ENUM('Yes', 'No') NOT NULL,

         SecurityVerification ENUM('Yes', 'No') NOT NULL,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

             ON DELETE CASCADE ON UPDATE CASCADE

     );

CREATE TABLE ReservationAgent (

        SSN CHAR(12) NOT NULL,

        YearOfExperience INT NOT NULL,

        DegreeType VARCHAR(45) NOT NULL,

         Over18 ENUM('Yes', 'No') NOT NULL,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

            ON DELETE CASCADE ON UPDATE CASCADE

     );

CREATE TABLE EnginieringITSystems (

         SSN CHAR(12) NOT NULL,

         DegreeType VARCHAR(45) NOT NULL,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

             ON DELETE CASCADE ON UPDATE CASCADE

     );

CREATE TABLE FlightDispatcher (

         SSN CHAR(12) NOT NULL,

         FAACertifiedFlight ENUM('Yes', 'No') NOT NULL,

         yearOfExperience CHAR(2) NOT NULL,

         ICAOExperience CHAR(2) NOT NULL,

         NetGenExperience CHAR(2) NOT NULL,

         ExperienceInternationalFlights CHAR(2) NOT NULL,

         DODDispatchExperience CHAR(2) NOT NULL,

         MainlineCarrier CHAR(2) NOT NULL,

         FOREIGN KEY (SSN)

             REFERENCES Employee (SSN)

             ON DELETE CASCADE ON UPDATE CASCADE

     );