

```
CREATE DATABASE airline;
USE airline;
```

```
CREATE TABLE airports (
  id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(255) NOT NULL,
  city VARCHAR(100) NOT NULL,
  country VARCHAR(100) NOT NULL,
  code VARCHAR(10) UNIQUE NOT NULL -- Код аэропорта (IATA)
);
```

```
CREATE TABLE aircrafts (
  id INT AUTO_INCREMENT PRIMARY KEY,
  model VARCHAR(100) NOT NULL,
  capacity INT NOT NULL, -- Вместимость пассажиров
  manufacturer VARCHAR(100) NOT NULL
);
```

```
CREATE TABLE flights (
  id INT AUTO_INCREMENT PRIMARY KEY,
  flight_number VARCHAR(10) UNIQUE NOT NULL, -- Номер рейса
  aircraft_id INT NOT NULL,
  departure_airport_id INT NOT NULL,
  arrival_airport_id INT NOT NULL,
  departure_time DATETIME NOT NULL,
  arrival_time DATETIME NOT NULL,
  status ENUM('Scheduled', 'Delayed', 'Departed', 'Landed', 'Cancelled') DEFAULT 'Scheduled',
  FOREIGN KEY (aircraft_id) REFERENCES aircrafts(id) ON DELETE CASCADE,
  FOREIGN KEY (departure_airport_id) REFERENCES airports(id) ON DELETE CASCADE,
  FOREIGN KEY (arrival_airport_id) REFERENCES airports(id) ON DELETE CASCADE
);
```

```
CREATE TABLE passengers (
  id INT AUTO_INCREMENT PRIMARY KEY,
  first_name VARCHAR(100) NOT NULL,
  last_name VARCHAR(100) NOT NULL,
  passport_number VARCHAR(20) UNIQUE NOT NULL,
  nationality VARCHAR(50)
);
```

```
CREATE TABLE bookings (
  id INT AUTO_INCREMENT PRIMARY KEY,
  flight_id INT NOT NULL,
  passenger_id INT NOT NULL,
  seat_number VARCHAR(10) NOT NULL, -- Номер места
  booking_status ENUM('Confirmed', 'Cancelled', 'Pending') DEFAULT 'Confirmed',
  FOREIGN KEY (flight_id) REFERENCES flights(id) ON DELETE CASCADE,
  FOREIGN KEY (passenger_id) REFERENCES passengers(id) ON DELETE CASCADE
);
```

```
CREATE TABLE employees (
  id INT AUTO_INCREMENT PRIMARY KEY,
  first_name VARCHAR(100) NOT NULL,
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last_name VARCHAR(100) NOT NULL,  
position ENUM('Pilot', 'Co-Pilot', 'Flight Attendant', 'Ground Staff') NOT NULL,  
hire_date DATE NOT NULL  
);
```

```
CREATE TABLE crew (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  flight_id INT NOT NULL,  
  employee_id INT NOT NULL,  
  role ENUM('Captain', 'First Officer', 'Flight Attendant') NOT NULL,  
  FOREIGN KEY (flight_id) REFERENCES flights(id) ON DELETE CASCADE,  
  FOREIGN KEY (employee_id) REFERENCES employees(id) ON DELETE CASCADE  
);
```