1. A screenshot of a computer

AI-generated content may be incorrect. CREATE TABLE airline\_info (

airline\_id INT PRIMARY KEY,

airline\_code VARCHAR(30) NOT NULL,

airline\_name VARCHAR(50) NOT NULL,

airline\_country VARCHAR(50) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL,

info VARCHAR(50) NOT NULL

);

CREATE TABLE airport (

airport\_id INT PRIMARY KEY,

airport\_name VARCHAR(50) NOT NULL,

country VARCHAR(50) NOT NULL,

state VARCHAR(50) NOT NULL,

city VARCHAR(50) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL

);

CREATE TABLE baggage\_check (

baggage\_check\_id INT PRIMARY KEY,

check\_result VARCHAR(50) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL,

booking\_id INT NOT NULL,

passenger\_id INT NOT NULL

);

CREATE TABLE baggage (

baggage\_id INT PRIMARY KEY,

weight\_in\_kg DECIMAL(4,2) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL,

booking\_id INT NOT NULL

);

CREATE TABLE boarding\_pass (

boarding\_pass\_id INT PRIMARY KEY,

booking\_id INT NOT NULL,

seat VARCHAR(50) NOT NULL,

boarding\_time TIMESTAMP NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL

);

CREATE TABLE booking\_flight (

booking\_flight\_id INT PRIMARY KEY,

booking\_id INT NOT NULL,

flight\_id INT NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL

);

CREATE TABLE booking (

booking\_id INT PRIMARY KEY,

flight\_id INT NOT NULL,

passenger\_id INT NOT NULL,

booking\_platform VARCHAR(50) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL,

status VARCHAR(50) NOT NULL,

price DECIMAL(7,2) NOT NULL

);

CREATE TABLE flights (

flight\_id INT PRIMARY KEY,

sch\_departure\_time TIMESTAMP NOT NULL,

sch\_arrival\_time TIMESTAMP NOT NULL,

departing\_airport\_id INT NOT NULL,

arriving\_airport\_id INT NOT NULL,

departing\_gate VARCHAR(50) NOT NULL,

arriving\_gate VARCHAR(50) NOT NULL,

airline\_id INT NOT NULL,

act\_departure\_time TIMESTAMP NOT NULL,

act\_arrival\_time TIMESTAMP NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL

);

CREATE TABLE passengers (

passenger\_id INT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

date\_of\_birth DATE NOT NULL,

gender VARCHAR(50) NOT NULL,

country\_of\_citizenship VARCHAR(50) NOT NULL,

country\_of\_residence VARCHAR(50) NOT NULL,

passport\_number VARCHAR(20) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL

);

CREATE TABLE security\_check (

security\_check\_id INT PRIMARY KEY,

check\_result VARCHAR(20) NOT NULL,

created\_at TIMESTAMP NOT NULL,

updated\_at TIMESTAMP NOT NULL,

passenger\_id INT NOT NULL

);

2.already done

4.already done

5.

A screenshot of a computer

AI-generated content may be incorrect.

ALTER TABLE airline\_info RENAME TO airline;

6.

A screenshot of a computer

AI-generated content may be incorrect.

ALTER TABLE booking RENAME COLUMN price TO ticket\_price;

7.

A computer screen with a white screen

AI-generated content may be incorrect.

ALTER TABLE flights

ALTER COLUMN departing\_gate TYPE TEXT;

8.

A screenshot of a computer

AI-generated content may be incorrect.

ALTER TABLE airline DROP COLUMN info;

9.

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AI-generated content may be incorrect.

ALTER TABLE security\_check

ADD FOREIGN KEY (passenger\_id) REFERENCES passengers(passenger\_id);

ALTER TABLE booking

ADD FOREIGN KEY (passenger\_id) REFERENCES passengers(passenger\_id);

ALTER TABLE baggage\_check

ADD FOREIGN KEY (passenger\_id) REFERENCES passengers(passenger\_id);

ALTER TABLE baggage\_check

ADD FOREIGN KEY (booking\_id) REFERENCES booking(booking\_id);

ALTER TABLE baggage

ADD FOREIGN KEY (booking\_id) REFERENCES booking(booking\_id);

ALTER TABLE boarding\_pass

ADD FOREIGN KEY (booking\_id) REFERENCES booking(booking\_id);

ALTER TABLE booking\_flight

ADD FOREIGN KEY (booking\_id) REFERENCES booking(booking\_id);

ALTER TABLE booking\_flight

ADD FOREIGN KEY (flight\_id) REFERENCES flights(flight\_id);

ALTER TABLE flights

ADD FOREIGN KEY (departing\_airport\_id) REFERENCES airport(airport\_id);

ALTER TABLE flights

ADD FOREIGN KEY (arriving\_airport\_id) REFERENCES airport(airport\_id);

ALTER TABLE flights

ADD FOREIGN KEY (airline\_id) REFERENCES airline(airline\_id);

1.

A screenshot of a computer

AI-generated content may be incorrect.

WITH

countries AS (

SELECT UNNEST(ARRAY[

'Kazakhstan','Turkey','France','Brazil','Poland','USA','Germany','Spain','Italy','Canada',

'UK','UAE','Qatar','Japan','Korea','India','China','Australia','Mexico','Netherlands'

]) AS country\_name

),

states AS (

SELECT UNNEST(ARRAY[

'Almaty Region','Akmola','Ankara','Istanbul','Île‑de‑France','São Paulo','Mazowieckie','Lesser Poland',

'California','Texas','Bavaria','Catalonia','Lombardy','Ontario','England','Dubai','Doha','Tokyo',

'Seoul','Delhi','Beijing','NSW','Jalisco','Noord‑Holland'

]) AS state\_name

),

cities AS (

SELECT UNNEST(ARRAY[

'Almaty','Astana','Ankara','Istanbul','Paris','São Paulo','Warsaw','Kraków',

'Los Angeles','San Francisco','Munich','Barcelona','Milan','Toronto','London',

'Dubai','Doha','Tokyo','Seoul','New Delhi','Beijing','Sydney','Guadalajara','Amsterdam'

]) AS city\_name

)

INSERT INTO airport (airport\_id, airport\_name, country, state, city, created\_at, updated\_at)

SELECT

gs,

'Airport ' || gs::TEXT,

(SELECT country\_name FROM countries ORDER BY random() LIMIT 1),

(SELECT state\_name FROM states ORDER BY random() LIMIT 1),

(SELECT city\_name FROM cities ORDER BY random() LIMIT 1),

NOW(),

NOW()

FROM generate\_series(1,200) AS gs;

2.

A screenshot of a computer

AI-generated content may be incorrect.

INSERT INTO airline (airline\_id, airline\_code, airline\_name, airline\_country, created\_at, updated\_at)

VALUES (101, 'KZ', 'KazAir', 'Kazakhstan', NOW(), NOW());

3.

A screenshot of a computer

AI-generated content may be incorrect.

UPDATE airline

SET airline\_country = 'Turkey',

updated\_at = NOW()

WHERE airline\_name = 'KazAir';

4.

A screenshot of a computer

AI-generated content may be incorrect.

INSERT INTO airline (airline\_id, airline\_code, airline\_name, airline\_country, created\_at, updated\_at)

VALUES

(102, 'AE', 'AirEasy', 'France', NOW(), NOW()),

(103, 'FH', 'FlyHigh', 'Brazil', NOW(), NOW()),

(104, 'FF', 'FlyFly', 'Poland', NOW(), NOW());

5.

A screenshot of a computer

AI-generated content may be incorrect.

DELETE FROM flights

WHERE EXTRACT(YEAR FROM act\_arrival\_time) = 2024;

6.

A screenshot of a computer

AI-generated content may be incorrect.

UPDATE booking

SET ticket\_price = ticket\_price \* 1.15,

updated\_at = NOW();

7.

A screenshot of a computer

AI-generated content may be incorrect.

DELETE FROM booking

WHERE ticket\_price < 10000;