

```
1  create table airline_info(  
2      airline_id int,  
3      airline_code varchar(30),  
4      airline_name varchar(50),  
5      airline_country varchar(50),  
6      created_at timestamp,  
7      updated_at timestamp,  
8      info varchar(50)  
9  );  
10  
11  CREATE TABLE Airport (  
12      airport_id INT,  
13      airport_name VARCHAR(50),  
14      country VARCHAR(50),  
15      state VARCHAR(50),  
16      city VARCHAR(50),  
17      created_at TIMESTAMP,  
18      updated_at TIMESTAMP  
19  );  
20  
21  create table baggage_check(  
22      baggage_check_id int,  
23      check_result varchar(50),  
24      created_at timestamp,  
25      updated_at timestamp,  
26      booking_id int,  
27      passenger_id int  
28  );  
29  
30  CREATE TABLE Baggage(  
31      baggage_id INT,  
32      weight_in_kg DECIMAL(4,2),  
33      created_at TIMESTAMP,  
34      updated_at TIMESTAMP,  
35      booking_id INT  
36  );  
37  
38  create table boarding_pass(  
39      boarding_pass_id int,  
40      booking_id int,
```

```
41         seat varchar(50),
42         boarding_time timestamp,
43         created_at timestamp,
44         updated_at timestamp
45     );
46
47     CREATE TABLE booking_flight(
48         booking_flight_id int,
49         booking_id int,
50         flight_id int,
51         created_at timestamp,
52         updated_at timestamp
53     );
54
55     CREATE TABLE booking (
56         booking_id int,
57         flight_id int,
58         passenger_id int,
59         booking_platform varchar(50),
60         created_at timestamp,
61         updated_at timestamp,
62         status varchar(50),
63         price decimal(7,2)
64     );
65
66     create table flights(
67         flight_id int,
68         sch_departure_time timestamp,
69         sch_arrival_time timestamp,
70         departing_airport_id int,
71         arriving_airport_id int,
72         departing_gate varchar(50),
73         arriving_gate varchar(50),
74         airline_id int,
75         act_departure_time timestamp,
76         act_arrival_time timestamp,
77         created_at timestamp,
78         updated_at timestamp
79     );
80
```

```
80
81 CREATE TABLE passengers(
82     passenger_id int,
83     first_name varchar(50),
84     last_name varchar(50),
85     date_of_birth date,
86     gender varchar(50),
87     country_of_citizenship varchar(50),
88     country_of_residence varchar(50),
89     passport_number varchar(20),
90     created_at timestamp,
91     updated_at timestamp
92 );
93
94 create table security_check(
95     security_check_id int,
96     check_result varchar(20),
97     created_at timestamp,
98     updated_at timestamp,
99     passenger_id int
100 );
101
102 ALTER TABLE airline_info ADD CONSTRAINT pk_airline_info PRIMARY KEY (airline_id);
103 ALTER TABLE airport ADD CONSTRAINT pk_airport PRIMARY KEY (airport_id);
104 ALTER TABLE baggage_check ADD CONSTRAINT pk_baggage_check PRIMARY KEY (baggage_check_id);
105 ALTER TABLE baggage ADD CONSTRAINT pk_baggage PRIMARY KEY (baggage_id);
106 ALTER TABLE boarding_pass ADD CONSTRAINT pk_boarding_pass PRIMARY KEY (boarding_pass_id);
107 ALTER TABLE booking_flight ADD CONSTRAINT pk_booking_flight PRIMARY KEY (booking_flight_id);
108 ALTER TABLE booking ADD CONSTRAINT pk_booking PRIMARY KEY (booking_id);
109 ALTER TABLE flights ADD CONSTRAINT pk_flights PRIMARY KEY (flight_id);
110 ALTER TABLE passengers ADD CONSTRAINT pk_passengers PRIMARY KEY (passenger_id);
111 ALTER TABLE security_check ADD CONSTRAINT pk_security_check PRIMARY KEY (security_check_id);
112
```

```
1  alter table airline_info
2      alter column airline_id set not null,
3      alter column airline_code set not null,
4      alter column airline_name set not null,
5      alter column airline_country set not null,
6      alter column created_at set not null,
7      alter column updated_at set not null,
8      alter column info set not null;
9
10 alter table airport
11     alter column airport_id set not null,
12     alter column airport_name set not null,
13     alter column country set not null,
14     alter column state set not null,
15     alter column city set not null,
16     alter column created_at set not null,
17     alter column updated_at set not null;
18
19 alter table baggage_check
20     alter column baggage_check_id set not null,
21     alter column check_result set not null,
22     alter column created_at set not null,
23     alter column updated_at set not null,
24     alter column booking_id set not null,
25     alter column passenger_id set not null;
26
27 alter table baggage
28     alter column baggage_id set not null,
29     alter column weight_in_kg set not null,
30     alter column created_at set not null,
31     alter column updated_at set not null,
32     alter column booking_id set not null;
33
34 alter table boarding_pass
35     alter column boarding_pass_id set not null,
36     alter column booking_id set not null,
37     alter column seat set not null,
38     alter column boarding_time set not null,
39     alter column created_at set not null,
40     alter column updated_at set not null;
```

```
alter table booking_flight
  alter column booking_flight_id set not null,
  alter column booking_id set not null,
  alter column flight_id set not null,
  alter column created_at set not null,
  alter column updated_at set not null;
```

```
alter table booking
  alter column booking_id set not null,
  alter column flight_id set not null,
  alter column passenger_id set not null,
  alter column booking_platform set not null,
  alter column created_at set not null,
  alter column updated_at set not null,
  alter column status set not null,
  alter column price set not null;
```

```
alter table flights
  alter column flight_id set not null,
  alter column sch_departure_time set not null,
  alter column sch_arrival_time set not null,
  alter column departing_airport_id set not null,
  alter column arriving_airport_id set not null,
  alter column departing_gate set not null,
  alter column arriving_gate set not null,
  alter column airline_id set not null,
  alter column act_departure_time set not null,
  alter column act_arrival_time set not null,
  alter column created_at set not null,
  alter column updated_at set not null;
```

```
alter table passengers
  alter column passenger_id set not null,
  alter column first_name set not null,
  alter column last_name set not null,
  alter column date_of_birth set not null,
  alter column gender set not null,
  alter column country_of_citizenship set not null,
  alter column country_of_residence set not null,
```

```
81      alter column passport_number set not null,  
82      alter column created_at set not null,  
83      alter column updated_at set not null;  
84  
85  alter table security_check  
86      alter column security_check_id set not null,  
87      alter column check_result set not null,  
88      alter column created_at set not null,  
89      alter column updated_at set not null,  
90      alter column passenger_id set not null;  
91
```

```
1  ALTER TABLE airline_info RENAME TO airline;
```

```
1  ALTER TABLE Booking  
2  RENAME COLUMN price TO ticket_price;
```

```
1  ALTER TABLE Flight  
2  ALTER COLUMN departing_gate TYPE text;
```

```
1  ALTER TABLE airline  
2  DROP COLUMN info;
```

```
1  alter table security_check
2      add constraint fk_secure_to_pass
3      foreign key (passenger_id) references passengers(passenger_id);
4
5  alter table booking
6      add constraint fk_booking_to_pass
7      foreign key (passenger_id) references passengers(passenger_id);
8
9  alter table baggage_check
10     add constraint fk_baggagecheck_to_pass
11     foreign key (passenger_id) references passengers(passenger_id);
12
13  alter table baggage_check
14     add constraint fk_baggagecheck_to_booking
15     foreign key (booking_id) references booking(booking_id);
16
17  alter table baggage
18     add constraint fk_baggage_to_booking
19     foreign key (booking_id) references booking(booking_id);
20
21  alter table boarding_pass
22     add constraint fk_boardingpass_to_booking
23     foreign key (booking_id) references booking(booking_id);
24
25  alter table booking_flight
26     add constraint fk_bookingflight_booking
27     foreign key (booking_id) references booking(booking_id);
28
29  alter table booking_flight
30     add constraint fk_bookingflight_flight
31     foreign key (flight_id) references flights(flight_id);
32
33  alter table flights
34     add constraint fk_flights_departing_airport
35     foreign key (departing_airport_id) references airport(airport_id);
36
37  alter table flights
38     add constraint fk_flights_arriving_airport
39     foreign key (arriving_airport_id) references airport(airport_id);
40
41  alter table flights
42     add constraint fk_flights_airline
43     foreign key (airline_id) references airline_info(airline_id);
44
```