

# SQL Coding Assignment

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**10/10** points earned (100%)

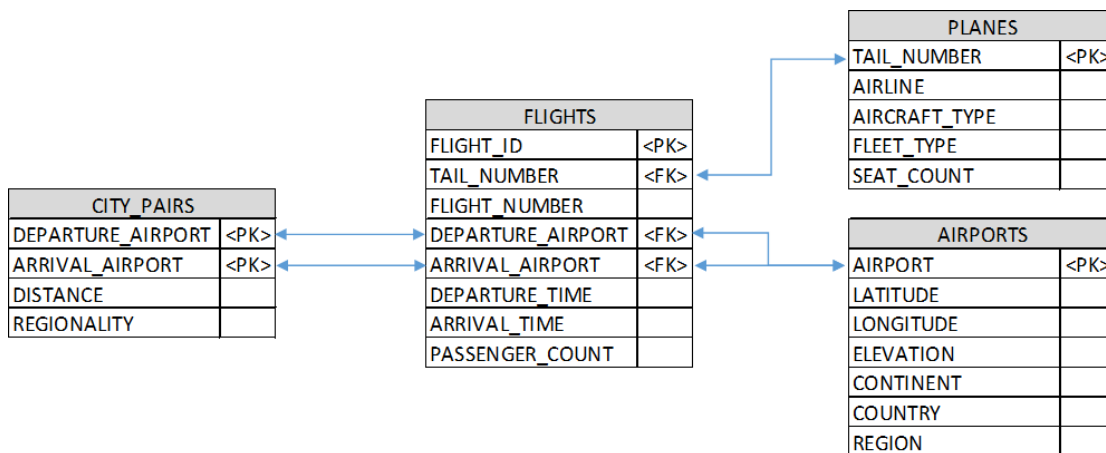
Quiz passed!



1 / 1  
points

1.

In this quiz, you'll be writing queries based on the following database. **Follow this link** to access a larger picture of the database.



**Note:** your SQL code entries will not be saved between quiz attempts! Please copy paste them somewhere so you don't have to retype the entire code when you take the quiz again.

How many aircrafts are there in the PLANES table?

1 SELECT

Run

Refer to the following video if you need a refresher: video 1.



25

**Correct**

Correct! Here's the code for your reference:

```
SELECT COUNT(*)
```

FROM PLANES

- ☐ 50
  - ☐ 562
  - ☐ 10961
- 



1 / 1  
points

2.

Write a query that provides a list of all planes that have a seat count of 100 or more, ordered from lowest to highest number of seats.

What is the TAIL\_NUMBER of the plane with the second lowest number of seats in that list?

1 SELECT

Run

Refer to the following video if you need a refresher: video 2.

- ☐ N114DD
- ☐ N132AA
- ☒ N120EE

**Correct**

Correct! Here's the code for your reference:

```
SELECT *
```

```
FROM PLANES
```

```
WHERE SEAT_COUNT >= 100
```

```
ORDER BY SEAT_COUNT
```

- ☐ N126AA
-



1 / 1  
points

3.

Write a query that provides the number of flights flown by each aircraft.

Which aircraft flew the most flights?

Refer to the following video if you need a refresher: video 2.

1

SELECT

Run

☐ N125EE

☐ N135DD

☐ N120EE

☒ N111AA

**Correct**

Correct! Here's the code for your reference:

```
SELECT TAIL_NUMBER, COUNT(*) AS NUM_FLIGHTS
```

```
FROM FLIGHTS
```

```
GROUP BY TAIL_NUMBER
```

```
ORDER BY NUM_FLIGHTS DESC
```



1 / 1  
points

4.

Write a query that provides a list of planes that flew more than 600 passengers across all flights.

How many planes are in that list?

1 SELECT

Run

Refer to the following video if you need a refresher: video 2.

☐ 5

☐ 22

☒ 3



**Correct**

Correct! Here's the code for your reference:

```
SELECT TAIL_NUMBER, SUM(PASSENGER_COUNT) AS TOT_PASSENGERS
```

```
FROM FLIGHTS
```

```
GROUP BY TAIL_NUMBER
```

```
HAVING TOT_PASSENGERS > 600
```

☐ 7



1 / 1  
points

5.

Write a query that provides the total number of flights by country.

How many flights originated in the United States (Country US)?

Refer to the following video if you need a refresher: video 3.

1 SELECT

Run

 34



**Correct**

Correct! Here's the code for your reference:

```
SELECT COUNTRY, COUNT(*) AS NUM_FLIGHTS  
  
FROM FLIGHTS a  
  
LEFT JOIN AIRPORTS b  
  
ON a.DEPARTURE_AIRPORT = b.AIRPORT
```

☐ 23

☐ 12

☐ 2



1 / 1  
points

6.

Write a query that provides the total number of flights by regionality.

Which regionality has the second highest number of flights?

1

SELECT

Run

Refer to the following video if you need a refresher: video 3.

☐ US-US

☐ US-ROW

☐ ROW-NA

☒ ROW-ROW



**Correct**

Correct! Here's the code for your reference:

```
SELECT REGIONALITY, COUNT(*) AS NUM_FLIGHTS
```

```
FROM FLIGHTS a  
  
LEFT JOIN CITY_PAIRS b  
  
ON a.DEPARTURE_AIRPORT = b.DEPARTURE_AIRPORT AND  
  
a.ARRIVAL_AIRPORT = b.ARRIVAL_AIRPORT  
  
GROUP BY REGIONALITY
```

---



1 / 1  
points

7.  
How many CITY\_PAIRS are there which depart from one of the following airports?

KLAX, KDEN, KORD, KDET, KLGA

Hint: use the IN operator!

1

SELECT

Run

Refer to the following video if you need a refresher: video 5.



722



**Correct**

Correct! Here's the code for your reference:

```
SELECT COUNT(*)  
  
FROM CITY_PAIRS  
  
WHERE DEPARTURE_AIRPORT IN ('KLAX','KDEN','KORD','KDET','KLGA')
```

☐ 803

☐ 245

☐ 104

---



1 / 1  
points

8.  
How many airports are missing elevation values?

1    SELECT

Run

Refer to the following video if you need a refresher: video 5.

☐ 10

☐ 8

☒ 6

**Correct**

Correct! Here's the code for your reference:

```
SELECT COUNT(*)
```

```
FROM AIRPORTS
```

```
WHERE ELEVATION IS NULL
```

☐ 4



1 / 1  
points

9.  
What flight number had the lowest passenger count (try using a subquery if you can!)?

1    SELECT

Run

Refer to the following video if you need a refresher: video 6.

☒ ALN626

**Correct**

Correct! Here's the code for your reference:

```
SELECT FLIGHT_NUMBER  
  
FROM FLIGHTS  
  
WHERE PASSENGER_COUNT IN  
  
(SELECT MIN(PASSENGER_COUNT) FROM FLIGHTS)
```

- ☐ ALN745
  - ☐ GLB805
  - ☐ SKY996
- 

 1 / 1  
points

10.  
What is the average distance flown by SKY Airline flights (nearest mile)?

1

SELECT

Run

Refer to the following video if you need a refresher: video 6.

- ☐ 1474
- ☐ 1570
- ☐ 1577
- ☒ 1768

**Correct**

Correct! Here's the code for your reference:

```
SELECT AVG (DISTANCE) AS AVG_DISTANCE  
  
FROM FLIGHTS a  
  
LEFT JOIN PLANES b  
  
ON a.TAIL_NUMBER = b.TAIL_NUMBER
```