

Problem 2112: The Airport With the Most Traffic

Problem Information

Difficulty: Medium

Acceptance Rate: 71.35%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Flights`

+-----+-----+ | Column Name | Type | +-----+-----+ | departure_airport | int
| | arrival_airport | int | | flights_count | int | +-----+-----+ (departure_airport,
arrival_airport) is the primary key column (combination of columns with unique values) for this
table. Each row of this table indicates that there were flights_count flights that departed from
departure_airport and arrived at arrival_airport.

Write a solution to report the ID of the airport with the ****most traffic****. The airport with the most traffic is the airport that has the largest total number of flights that either departed from or arrived at the airport. If there is more than one airport with the most traffic, report them all.

Return the result table in ****any order****.

The result format is in the following example.

****Example 1:****

****Input:**** Flights table: +-----+-----+-----+ | departure_airport |
arrival_airport | flights_count | +-----+-----+-----+ | 1 | 2 | 4 | | 2 | 1 | 5
| | 2 | 4 | 5 | +-----+-----+-----+ ****Output:**** +-----+ | airport_id |
+-----+ | 2 | +-----+ ****Explanation:**** Airport 1 was engaged with 9 flights (4
departures, 5 arrivals). Airport 2 was engaged with 14 flights (10 departures, 4 arrivals).
Airport 4 was engaged with 5 flights (5 arrivals). The airport with the most traffic is airport 2.

****Example 2:****

Input: Flights table: +-----+-----+-----+ | departure_airport | arrival_airport | flights_count | +-----+-----+-----+ | 1 | 2 | 4 | | 2 | 1 | 5 | | 3 | 4 | 5 | | 4 | 3 | 4 | | 5 | 6 | 7 | +-----+-----+-----+ **Output:** +-----+ | airport_id | +-----+ | 1 | | 2 | | 3 | | 4 | +-----+ **Explanation:** Airport 1 was engaged with 9 flights (4 departures, 5 arrivals). Airport 2 was engaged with 9 flights (5 departures, 4 arrivals). Airport 3 was engaged with 9 flights (5 departures, 4 arrivals). Airport 4 was engaged with 9 flights (4 departures, 5 arrivals). Airport 5 was engaged with 7 flights (7 departures). Airport 6 was engaged with 7 flights (7 arrivals). The airports with the most traffic are airports 1, 2, 3, and 4.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

-- Write your PostgreSQL query statement below