Problem 2987: Find Expensive Cities

Problem Information

Difficulty: Easy
Acceptance Rate: 77.10%
Paid Only: Yes
Tags: Database

Problem Description

Table: `Listings`

+-------------+---------+ | Column Name | Type | +-------------+---------+ | listing_id | int | | city | varchar | | price | int | +-------------+---------+ listing_id is column of unique values for this table. This table contains listing_id, city, and price.

Write a solution to find **cities** where the **average home prices** exceed the **national** average home price.

Return _the result table sorted by_ `city` _in **ascending** order_ _._

The result format is in the following example.

Example 1:

Input: Listings table: +------------+--------------+---------+ | listing_id | city | price | +------------+--------------+---------+ | 113 | LosAngeles | 7560386 | | 136 | SanFrancisco | 2380268 | | 92 | Chicago | 9833209 | | 60 | Chicago | 5147582 | | 8 | Chicago | 5274441 | | 79 | SanFrancisco | 8372065 | | 37 | Chicago | 7939595 | | 53 | LosAngeles | 4965123 | | 178 | SanFrancisco | 999207 | | 51 | NewYork | 5951718 | | 121 | NewYork | 2893760 | +------------+--------------+---------+ **Output** +------------+ | city | +------------+ | Chicago | | LosAngeles | +------------+ **Explanation** The national average home price is $6,122,059.45. Among the cities listed: - Chicago has an average price of $7,048,706.75 - Los Angeles has an average price of $6,277,754.5 - San Francisco has an average price of $3,900,513.33 - New York has an average price of $4,422,739 Only Chicago and Los Angeles have average home prices exceeding the national average. Therefore, these two cities are included in the

output table. The output table is sorted in ascending order based on the city names.

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
```