

2987. Find Expensive Cities

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 \$7,043,706.75

– 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.

