

3198. Find Cities in Each State Premium

Easy  Topics

[SQL Schema](#) > [Pandas Schema](#) >

Table: `cities`

Column Name	Type
<code>state</code>	<code>varchar</code>
<code>city</code>	<code>varchar</code>

(state, city) is the primary key (combination of columns with unique values) for this table.
Each row of this table contains the state name and the city name within that state.

Write a solution to find **all the cities in each state** and combine them into a **single comma-separated** string.

Return *the result table ordered by* `state` *and* `city` *in **ascending** order*.

The result format is in the following example.

Example:

Input:

cities table:

state	city
California	Los Angeles
California	San Francisco
California	San Diego
Texas	Houston
Texas	Austin
Texas	Dallas
New York	New York City
New York	Buffalo
New York	Rochester

Output:

state	cities
California	Los Angeles, San Diego, San Francisco
New York	Buffalo, New York City, Rochester
Texas	Austin, Dallas, Houston

Explanation:

- California:** All cities ("Los Angeles", "San Diego", "San Francisco") are listed in a comma-separated string.
- New York:** All cities ("Buffalo", "New York City", "Rochester") are listed in a comma-separated string.
- Texas:** All cities ("Austin", "Dallas", "Houston") are listed in a comma-separated string.

Note: The output table is ordered by the state name in ascending order.

Seen this question in a real interview before? 1/5

Yes No

Accepted 1.5K | Submissions 1.7K | Acceptance Rate 83.4%

 Topics

Database

 Discussion (2)