

Problem List < > ⌂

Description Editorial Solutions Submissions

**3198. Find Cities in Each State** Premium

Solved

Easy Topics

SQL Schema > Pandas Schema >

Table: cities

Column Name	Type
state	varchar
city	varchar

(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:**

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.

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

Yes No

Accepted 3,396 / 4.2K | Acceptance Rate 80.1%

Topics

Discussion (4)

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Code

MySQL Auto

```
# Write your MySQL query statement below
select
    state,
    group_concat(city order by city separator ',') as cities
from cities
group by state
order by state
```

Saved

Ln 10, Col 1

Testcase Test Result

Accepted Runtime: 68 ms

Case 1

Input

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