

3055. Top Percentile Fraud Premium

Medium  Topics

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Table: `Fraud`

Column Name	Type
<code>policy_id</code>	<code>int</code>
<code>state</code>	<code>varchar</code>
<code>fraud_score</code>	<code>int</code>

`policy_id` is column of unique values for this table.
This table contains policy id, state, and fraud score.

The Leetcode Insurance Corp has developed an ML-driven **predictive model** to detect the **likelihood** of fraudulent claims. Consequently, they allocate their most seasoned claim adjusters to address the top `5%` of **claims flagged** by this model.

Write a solution to find the top `5` **percentile** of claims from **each state**.

Return *the result table ordered by* `state` *in* ***ascending*** *order*, `fraud_score` *in* ***descending*** *order*, and `policy_id` *in* ***ascending*** *order*.

The result format is in the following example.

Example 1:

Input:
Fraud table:

<code>policy_id</code>	<code>state</code>	<code>fraud_score</code>
1	California	0.92
2	California	0.68
3	California	0.17
4	New York	0.94
5	New York	0.81
6	New York	0.77
7	Texas	0.98
8	Texas	0.97
9	Texas	0.96
10	Florida	0.97
11	Florida	0.98
12	Florida	0.78
13	Florida	0.88
14	Florida	0.66

Output:

<code>policy_id</code>	<code>state</code>	<code>fraud_score</code>
1	California	0.92
11	Florida	0.98
4	New York	0.94
7	Texas	0.98

Explanation


- For the state of California, only policy ID 1, with a fraud score of 0.92, falls within the top 5 percentile for this state.
- For the state of Florida, only policy ID 11, with a fraud score of 0.98, falls within the top 5 percentile for this state.
- For the state of New York, only policy ID 4, with a fraud score of 0.94, falls within the top 5 percentile for this state.
- For the state of Texas, only policy ID 7, with a fraud score of 0.98, falls within the top 5 percentile for this state.

Output table is ordered by state in ascending order, fraud score in descending order, and policy ID in ascending order.


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

Yes No

Accepted 1.6K | Submissions 2.8K | Acceptance Rate 57.9%

 Topics

Database

 Discussion (2)