

Compressed Mode [Alibaba SQL Interview Question]

You're given a table containing the item count for each order on Alibaba, along with the frequency of orders that have the same item count. Write a query to retrieve the mode of the order occurrences. Additionally, if there are multiple item counts with the same mode, the results should be sorted in ascending order.

Clarifications:

- `item_count`: Represents the number of items sold in each order.
- `order_occurrences`: Represents the frequency of orders with the corresponding number of items sold per order.
- For example, if there are 800 orders with 3 items sold in each order, the record would have an `item_count` of 3 and an `order_occurrences` of 800.

Effective June 14th, 2023, the problem statement has been revised and additional clarification have been added for clarity.

`items_per_order` Table:

Column Name	Type
item_count	integer
order_occurrences	integer

`items_per_order` Example Input:

item_count	order_occurrences
1	500
2	1000
3	800

Example Output:

mode
2

Explanation:

Based on the example output, the `order_occurrences` value of 1000 corresponds to the highest frequency among all item counts. This means that item count of 2 has occurred 1000 times, making it the mode of order occurrences.

The dataset you are querying against may have different input & output - **this is just an example!**