

Cards Issued Difference [JPMorgan Chase SQL Interview Question]

Your team at JPMorgan Chase is preparing to launch a new credit card, and to gain some insights, you're analyzing how many credit cards were issued each month.

Write a query that outputs the name of each credit card and the difference in the number of issued cards between the month with the highest issuance cards and the lowest issuance. Arrange the results based on the largest disparity.

`monthly_cards_issued` Table:

Column Name	Type
issue_month	integer
issue_year	integer
card_name	string
issued_amount	integer

`monthly_cards_issued` Example Input:

card_name	issued_amount	issue_month	issue_year
Chase Freedom Flex	55000	1	2021
Chase Freedom Flex	60000	2	2021
Chase Freedom Flex	65000	3	2021
Chase Freedom Flex	70000	4	2021
Chase Sapphire Reserve	170000	1	2021
Chase Sapphire Reserve	175000	2	2021

card_name	issued_amount	issue_month	issue_year
Chase Sapphire Reserve	180000	3	2021

Example Output:

card_name	difference
Chase Freedom Flex	15000
Chase Sapphire Reserve	10000

Explanation:

Chase Freedom Flex's best month was 70k cards issued and the worst month was 55k cards, so the difference is 15k cards.

Chase Sapphire Reserve's best month was 180k cards issued and the worst month was 170k cards, so the difference is 10k cards.

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