

1045. Customers Who Bought All Products Write an SQL query for a report that provides the customer ids from the Customer table that bought all the products in the Product table.	SELECT a.customer_id FROM (SELECT customer_id, COUNT (product_key) AS num FROM baburam-shrestha.MedQ.Table_1045_Customer GROUP BY customer_id) AS a WHERE a.num = (SELECT COUNT(DISTINCT product_key) FROM baburam-shrestha.MedQ.Table_1045_Product).	Row customer_id 1 1 2 3
1070. Product Sales Analysis III Write an SQL query that selects the product id, year, quantity, and price for the first year of every product sold.	SELECT product_id,year AS first_year,quantity,price FROM baburam-shrestha.MedQ.Table_1070_Sale WHERE year IN(SELECT MIN(year) FROM baburam-shrestha.MedQ.Table_1070_Product GROUP BY product_id);	Row product_Id first_year quantity price 1 100 2008 10 5000 2 100 2009 12 5000 3 200 2011 15 9000
1077. Project Employees III Write an SQL query that reports the most experienced employees in each project. In case of a tie, report all employees with the maximum number of experience years.	WITH CTE AS(SELECT P.project_id, P.employee_id, DENSE_RANK() OVER(PARTITION BY P.project_id ORDER BY E.experience_years DESC) AS experience_rank FROM baburam-shrestha.MedQ.Table_1077_Project p JOIN baburam-shrestha.MedQ.Table_1077_Employee E ON P.employee_id = E.employee_id) SELECT project_id, employee_id FROM CTE WHERE experience_rank = 1 ORDER BY project_id;	Row project_id employee_id 1 1 3 2 2 1
1112. Highest Grade For Each Student Write a SQL query to find the highest grade with its corresponding course for each student. In case of a tie, you should find the course with the smallest course_id. The output must be sorted by increasing student_id.	WITH CTE AS (SELECT e.*, max(grade) OVER (PARTITION BY student_id ORDER BY student_id) AS max_grade FROM baburam-shrestha.MedQ.Table_1112_Enrollment e) SELECT student_id,course_id,grade FROM CTE WHERE CTE.grade = max_grade;	Row student_Id course_Id grade 1 1 2 99 2 2 2 95 3 2 3 95 4 3 3 82
1126. Active Businesses Write an SQL query to find all active businesses.	SELECT DISTINCT business_id FROM(SELECT business_id, event_type, AVG(occurences) OVER(PARTITION BY event_type) AS avg1, occurences FROM baburam-shrestha.MedQ.Table_1126_Event) A WHERE occurences > avg1 GROUP By business_id HAVING COUNT(DISTINCT event_type) > 1	Row business_id 1 1
	WITH CTE AS (SELECT *, RANK() OVER(PARTITION BY product_id ORDER BY change_date DESC) AS ranking FROM baburam-shrestha.MedQ.Table_1164_Product WHERE change_date <= '2019-08-16')	Row product_id price 1 1 35
1164. Product Price at a Given Date Write an SQL query to find the prices of all products on 2019-08-16. Assume the price of all products before any change is 10.	SELECT A.product_id, IFNULL(new_price, 10) AS price FROM (SELECT DISTINCT product_id FROM baburam-shrestha.MedQ.Table_1164_Product) A LEFT JOIN (SELECT * FROM CTE WHERE ranking = 1) B ON A.product_id = B.product_id WHERE A.Product id IS NOT NULL;	2 2 50 3 3 10
1174. Immediate Food Delivery II Write an SQL query to find the percentage of immediate orders in the first orders of all customers, rounded to 2 decimal places.	WITH CTE AS (SELECT *, rank() over(partition by customer_id order by order_date) as ranking FROM baburam-shrestha.MedQ.Table_1174_Delivery) SELECT ROUND(AVG(CASE WHEN order_date = customer_pref_delivery_date then 1.00 else 0.00 end)*100, 2) AS immediate_percentage FROM CTE WHERE ranking = 1;	1 50.0 Immediate // 50.0
1193. Monthly Transactions I Write an SQL query to find for each month and country, the number of transactions and their total amount, the number of approved transactions and their total amount.	SELECT Format_DATE("%Y-%m",trans_date) AS month,country, COUNT(id) AS trans_count, SUM(case when state='approved' then 1 else 0 end) AS approved_count, SUM(amount) as trans_total_amount, SUM(case when state='approved' then amount else 0 end) AS approved_total_amount FROM baburam-shrestha.MedQ.Table_1193_Transaction GROUP BY month, country;	Row month country trans_count approved_c_ trans_total_ approved_to_ 1 2018-12 US 2 1 3000 1000 2 2019-01 US 1 1 2000 2000 3 2019-01 DE 1 1 2000 2000
1204. Last Person to Fit in the Elevator Write an SQL query to find the person_name of the last person who will fit in the elevator without exceeding the weight limit. It is guaranteed that the person who is first in the queue can fit in the elevator.	WITH CTE AS (SELECT person_name,weight, SUM(weight) over(order by turn) As weight_sum FROM baburam-shrestha.MedQ.Table_1204_Queue) SELECT person_name FROM CTE WHERE weight_sum = 1000;	Row person_name 1 Thomas Jefferson

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