1511. Customer Order Frequency `Premium`

Solved ✓

`Easy` `◇ Topics` `▣ Companies`

SQL Schema ›   Pandas Schema ›

Table: `Customers`

```
+-------------+---------+
| Column Name | Type    |
+-------------+---------+
| customer_id | int     |
| name        | varchar |
| country     | varchar |
+-------------+---------+
customer_id is the column with unique values for this table.
This table contains information about the customers in the company.
```

Table: `Product`

```
+-------------+---------+
| Column Name | Type    |
+-------------+---------+
| product_id  | int     |
| description | varchar |
| price       | int     |
+-------------+---------+
product_id is the column with unique values for this table.
This table contains information on the products in the company.
price is the product cost.
```

Table: `Orders`

```
+-------------+---------+
| Column Name | Type    |
+-------------+---------+
| order_id    | int     |
| customer_id | int     |
| product_id  | int     |
| order_date  | date    |
| quantity    | int     |
+-------------+---------+
order_id is the column with unique values for this table.
This table contains information on customer orders.
customer_id is the id of the customer who bought "quantity" products with id "product_id".
Order_date is the date in format ('YYYY-MM-DD') when the order was shipped.
```

Write a solution to report the `customer_id` and `customer_name` of customers who have spent at least `$100` in each month of **June and July 2020**.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

```
Input:
Customers table:
+-------------+----------+---------+
| customer_id | name     | country |
+-------------+----------+---------+
| 1           | Winston  | USA     |
| 2           | Jonathan | Peru    |
| 3           | Moustafa | Egypt   |
+-------------+----------+---------+
Product table:
+-------------+-------------+-------+
| product_id  | description | price |
+-------------+-------------+-------+
| 10          | LC Phone    | 300   |
| 20          | LC T-Shirt  | 10    |
| 30          | LC Book     | 45    |
| 40          | LC Keychain | 2     |
+-------------+-------------+-------+
Orders table:
+-------------+-------------+------------+------------+----------+
| order_id    | customer_id | product_id | order_date | quantity |
+-------------+-------------+------------+------------+----------+
| 1           | 1           | 10         | 2020-06-10 | 1        |
| 2           | 1           | 20         | 2020-07-01 | 1        |
| 3           | 1           | 30         | 2020-07-08 | 2        |
| 4           | 2           | 10         | 2020-06-15 | 2        |
| 5           | 2           | 40         | 2020-07-01 | 10       |
| 6           | 3           | 20         | 2020-06-24 | 2        |
| 7           | 3           | 30         | 2020-06-25 | 2        |
| 9           | 3           | 30         | 2020-05-08 | 3        |
+-------------+-------------+------------+------------+----------+
Output:
+-------------+---------+
| customer_id | name    |
+-------------+---------+
| 1           | Winston |
+-------------+---------+
Explanation:
Winston spent $300 (300 * 1) in June and $100 ( 10 * 1 + 45 * 2) in July 2020.
Jonathan spent $600 (300 * 2) in June and $20 ( 2 * 10) in July 2020.
Moustafa spent $110 (10 * 2 + 45 * 2) in June and $0 in July 2020.
```

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

`Yes` `No`

Accepted **41.5K** | Submissions **61K** | Acceptance Rate **68.1%**

◇ Topics ▾

▣ Companies ▾

💬 Discussion (12) ▾

</> Code

MySQL ∨   • Auto

```sql
1   # Write your MySQL query statement below
2
3   SELECT
4       C.CUSTOMER_ID, C.NAME
5   FROM
6       CUSTOMERS C LEFT JOIN ORDERS O USING(CUSTOMER_ID) LEFT JOIN PRODUCT P USING(PRODUCT_ID)
7   GROUP BY C.CUSTOMER_ID
8   HAVING SUM(IF(ORDER_DATE LIKE '2020-06%', QUANTITY*PRICE,0)) >=100
9   AND SUM(IF(ORDER_DATE LIKE '2020-07%', QUANTITY*PRICE,0)) >=100
10
```

☁ Saved   Ln 10, Col 1

☑ Testcase | >_ Test Result

Accepted   Runtime: 562 ms

• Case 1

Input

Customers =

Customers =