Problem 1511: Customer Order Frequency

Problem Information

Difficulty: Easy
Acceptance Rate: 66.59%
Paid Only: Yes
Tags: Database

Problem Description

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.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```