2292. Products With Three or More Orders in Two Consecutive Years

Medium   Topics   Companies

SQL Schema >   Pandas Schema >

Table: Orders

```
+----------------+------+
| Column Name    | Type |
+----------------+------+
| order_id       | int  |
| product_id     | int  |
| quantity       | int  |
| purchase_date  | date |
+----------------+------+
order_id contains unique values.
Each row in this table contains the ID of an order, the id of the product purchased, the quantity, and the purchase date.
```

Write a solution to report the IDs of all the products that were ordered three or more times in two consecutive years.

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

The result format is shown in the following example.

Example 1:

```
Input:
Orders table:
+----------+------------+----------+---------------+
| order_id | product_id | quantity | purchase_date |
+----------+------------+----------+---------------+
| 1        | 1          | 7        | 2020-03-16    |
| 2        | 1          | 4        | 2020-12-02    |
| 3        | 1          | 7        | 2020-05-10    |
| 4        | 1          | 6        | 2021-12-23    |
| 5        | 1          | 5        | 2021-05-21    |
| 6        | 1          | 6        | 2021-10-11    |
| 7        | 2          | 6        | 2022-10-11    |
+----------+------------+----------+---------------+
Output:
+------------+
| product_id |
+------------+
| 1          |
+------------+
Explanation:
Product 1 was ordered in 2020 three times and in 2021 three times. Since it was ordered three times in two consecutive years, we include it in the answer.
Product 2 was ordered one time in 2022. We do not include it in the answer.
```

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

Yes   No

Accepted **7.8K** | Submissions **19.7K** | Acceptance Rate **39.6%**

Topics

Database

Companies

0 - 6 months

Amazon ②

Discussion (3)