1083. Sales Analysis II Premium

Easy 🏷 Topics 🏢 Companies

SQL Schema ⌄ Pandas Schema ⌄
Table: `Product`

```
+--------------+---------+
| Column Name  | Type    |
+--------------+---------+
| product_id   | int     |
| product_name | varchar |
| unit_price   | int     |
+--------------+---------+
```
product_id is the primary key (column with unique values) of this table.
Each row of this table indicates the name and the price of each product.

Table: `Sales`

```
+-------------+------+
| Column Name | Type |
+-------------+------+
| seller_id   | int  |
| product_id  | int  |
| buyer_id    | int  |
| sale_date   | date |
| quantity    | int  |
| price       | int  |
+-------------+------+
```
This table might have repeated rows.
product_id is a foreign key (reference column) to the Product table.
buyer_id is never NULL.
sale_date is never NULL.
Each row of this table contains some information about one sale.

Write a solution to report the **buyers** who have bought *S8* but not *iPhone*. Note that *S8* and *iPhone* are products presented in the `Product` table.

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

The result format is in the following example.

Example 1:

```
Input:
Product table:
+------------+--------------+------------+
| product_id | product_name | unit_price |
+------------+--------------+------------+
| 1          | S8           | 1000       |
| 2          | G4           | 800        |
| 3          | iPhone       | 1400       |
+------------+--------------+------------+
Sales table:
+-----------+------------+----------+------------+----------+-------+
| seller_id | product_id | buyer_id | sale_date  | quantity | price |
+-----------+------------+----------+------------+----------+-------+
| 1         | 1          | 1        | 2019-01-21 | 2        | 2000  |
| 1         | 2          | 2        | 2019-02-17 | 1        | 800   |
| 2         | 1          | 3        | 2019-06-02 | 1        | 800   |
| 3         | 3          | 3        | 2019-05-13 | 2        | 2800  |
+-----------+------------+----------+------------+----------+-------+
Output:
+----------+
| buyer_id |
+----------+
| 1        |
+----------+
```
Explanation: The buyer with id 1 bought an S8 but did not buy an iPhone. The buyer with id 3 bought both.

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

Yes   No

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