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</> Code

MySQL ∨ • Auto

```
1  # Write your MySQL query statement below
2
3  SELECT buyer_id FROM
4  sales S
5  JOIN
6  product P
7  ON S.product_id = P.product_id
8  GROUP BY buyer_id having SUM(product_name = "S8") > 0 and SUM(product_name = "iPhone") = 0
9
```

◯ Saved   Ln 6, Col 10

☑ Testcase   >_ Test Result

Accepted Runtime: 357 ms

• Case 1

Input

```
Product =
| product_id | product_name | unit_price |
| ---------- | ------------ | ---------- |
| 1          | S8           | 1000       |
| 2          | G4           | 800        |
| 3          | iPhone       | 1400       |

Sales =
| seller_id | product_id | buyer_id | sale_date  | quantity | price |
| --------- | ---------- | -------- | ---------- | -------- | ----- |
| 1         | 1          | 1        | 2019-01-21 | 2        | 2000  |
```

Description | Editorial | Solutions | Submissions

1083. Sales Analysis II `Premium`   Solved ⊘

`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

Accepted **57.7K** | Submissions **116.3K** | Acceptance Rate **49.6%**

♢ Topics

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