

# Problem 1083: Sales Analysis II

## Problem Information

Difficulty: Easy

Acceptance Rate: 50.00%

Paid Only: Yes

Tags: Database

## Problem Description

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.

## 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
```