SQL Schema

Table: Customers

+---------------+---------+

| Column Name | Type |

+---------------+---------+

| customer\_id | int |

| name | varchar |

+---------------+---------+

customer\_id is the primary key for this table.

This table contains information about the customers.

Table: Orders

+---------------+---------+

| Column Name | Type |

+---------------+---------+

| order\_id | int |

| order\_date | date |

| customer\_id | int |

| product\_id | int |

+---------------+---------+

order\_id is the primary key for this table.

This table contains information about the orders made by customer\_id.

There will be no product ordered by the same user **more than once** in one day.

Table: Products

+---------------+---------+

| Column Name | Type |

+---------------+---------+

| product\_id | int |

| product\_name | varchar |

| price | int |

+---------------+---------+

product\_id is the primary key for this table.

This table contains information about the Products.

Write an SQL query to find the most recent order(s) of each product.

Return the result table sorted by product\_name in **ascending** order and in case of a tie by the product\_id in **ascending** order. If there still a tie, order them by the order\_id in **ascending** order.

The query result format is in the following example:

Customers

+-------------+-----------+

| customer\_id | name |

+-------------+-----------+

| 1 | Winston |

| 2 | Jonathan |

| 3 | Annabelle |

| 4 | Marwan |

| 5 | Khaled |

+-------------+-----------+

Orders

+----------+------------+-------------+------------+

| order\_id | order\_date | customer\_id | product\_id |

+----------+------------+-------------+------------+

| 1 | 2020-07-31 | 1 | 1 |

| 2 | 2020-07-30 | 2 | 2 |

| 3 | 2020-08-29 | 3 | 3 |

| 4 | 2020-07-29 | 4 | 1 |

| 5 | 2020-06-10 | 1 | 2 |

| 6 | 2020-08-01 | 2 | 1 |

| 7 | 2020-08-01 | 3 | 1 |

| 8 | 2020-08-03 | 1 | 2 |

| 9 | 2020-08-07 | 2 | 3 |

| 10 | 2020-07-15 | 1 | 2 |

+----------+------------+-------------+------------+

Products

+------------+--------------+-------+

| product\_id | product\_name | price |

+------------+--------------+-------+

| 1 | keyboard | 120 |

| 2 | mouse | 80 |

| 3 | screen | 600 |

| 4 | hard disk | 450 |

+------------+--------------+-------+

Result table:

+--------------+------------+----------+------------+

| product\_name | product\_id | order\_id | order\_date |

+--------------+------------+----------+------------+

| keyboard | 1 | 6 | 2020-08-01 |

| keyboard | 1 | 7 | 2020-08-01 |

| mouse | 2 | 8 | 2020-08-03 |

| screen | 3 | 3 | 2020-08-29 |

+--------------+------------+----------+------------+

keyboard's most recent order is in 2020-08-01, it was ordered two times this day.

mouse's most recent order is in 2020-08-03, it was ordered only once this day.

screen's most recent order is in 2020-08-29, it was ordered only once this day.

The hard disk was never ordered and we don't include it in the result table.