

2362. Generate the Invoice Premium

Hard Topics

SQL Schema > Pandas Schema >

Table: Products

Column Name	Type
product_id	int
price	int

product_id contains unique values.

Each row in this table shows the ID of a product and the price of one unit.

Table: Purchases

Column Name	Type
invoice_id	int
product_id	int
quantity	int

(invoice_id, product_id) is the primary key (combination of columns with unique values) for this table.

Each row in this table shows the quantity ordered from one product in an invoice.

Write a solution to show the details of the invoice with the highest price. If two or more invoices have the same price, return the details of the one with the smallest invoice_id.

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

The result format is shown in the following example.

Example 1:

Input:

Products table:

product_id	price
1	100
2	200

Purchases table:

invoice_id	product_id	quantity
1	1	2
3	2	1
2	2	3
2	1	4
4	1	10

Output:

product_id	quantity	price
2	3	600
1	4	400

Explanation:

Invoice 1: price = (2 * 100) = \$200

Invoice 2: price = (4 * 100) + (3 * 200) = \$1000

Invoice 3: price = (1 * 200) = \$200

Invoice 4: price = (10 * 100) = \$1000

The highest price is \$1000, and the invoices with the highest prices are 2 and 4. We return the details of the one with the smallest ID, which is invoice 2.

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

Yes No

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Topics

Database

Discussion (3)