

# 1677. Product's Worth Over Invoices Premium

Easy  Topics

[SQL Schema](#) > [Pandas Schema](#) >

Table: `Product`

Column Name	Type
product_id	int
name	varchar

product\_id is the column with unique values for this table.  
This table contains the ID and the name of the product. The name consists of only lowercase English letters. No two products have the same name.

Table: `Invoice`

Column Name	Type
invoice_id	int
product_id	int
rest	int
paid	int
canceled	int
refunded	int

invoice\_id is the column with unique values for this table and the id of this invoice.  
product\_id is the id of the product for this invoice.  
rest is the amount left to pay for this invoice.  
paid is the amount paid for this invoice.  
canceled is the amount canceled for this invoice.  
refunded is the amount refunded for this invoice.

Write a solution that will, for all products, return each product name with the total amount due, paid, canceled, and refunded across all invoices.

Return the result table ordered by `product_name`.

The result format is in the following example.

### Example 1:

**Input:**  
Product table:

product_id	name
0	ham
1	bacon

Invoice table:

invoice_id	product_id	rest	paid	canceled	refunded
23	0	2	0	5	0
12	0	0	4	0	3
1	1	1	1	0	1
2	1	1	0	1	1
3	1	0	1	1	1
4	1	1	1	1	0

**Output:**

name	rest	paid	canceled	refunded
bacon	3	3	3	3
ham	2	4	5	3


**Explanation:**

- The amount of money left to pay for bacon is  $1 + 1 + 0 + 1 = 3$
- The amount of money paid for bacon is  $1 + 0 + 1 + 1 = 3$
- The amount of money canceled for bacon is  $0 + 1 + 1 + 1 = 3$
- The amount of money refunded for bacon is  $1 + 1 + 1 + 0 = 3$
- The amount of money left to pay for ham is  $2 + 0 = 2$
- The amount of money paid for ham is  $0 + 4 = 4$
- The amount of money canceled for ham is  $5 + 0 = 5$
- The amount of money refunded for ham is  $0 + 3 = 3$

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

Yes No

Accepted 17.8K | Submissions 46.6K | Acceptance Rate 38.3%

 Topics

Database

 Discussion (3)