

3293. Calculate Product Final Price Premium

Medium 🔒 Topics

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Table: `Products`

Column Name	Type
product_id	int
category	varchar
price	decimal

product_id is the unique key for this table.
Each row includes the product's ID, its category, and its price.

Table: `Discounts`

Column Name	Type
category	varchar
discount	int

category is the primary key for this table.
Each row contains a product category and the percentage discount applied to that category (values range from 0 to 100).

Write a solution to find the **final price** of each product after applying the **category discount**. If a product's category has **no associated discount**, its price remains **unchanged**.

Return *the result table ordered by* `product_id` *in* **ascending order**.

The result format is in the following example.

Example:

Input:

`Products` table:

product_id	category	price
1	Electronics	1000
2	Clothing	50
3	Electronics	1200
4	Home	500

`Discounts` table:

category	discount
Electronics	10
Clothing	20

Output:

product_id	final_price	category
1	900	Electronics
2	40	Clothing
3	1080	Electronics
4	500	Home

- Explanation:**
- For product 1, it belongs to the Electronics category which has a 10% discount, so the final price is 1000 - (10% of 1000) = 900.
 - For product 2, it belongs to the Clothing category which has a 20% discount, so the final price is 50 - (20% of 50) = 40.
 - For product 3, it belongs to the Electronics category and receives a 10% discount, so the final price is 1200 - (10% of 1200) = 1080.
 - For product 4, no discount is available for the Home category, so the final price remains 500.
- Result table is ordered by product_id in ascending order.

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

Yes No

Accepted 637 | Submissions 836 | Acceptance Rate 76.2%

Topics

Database

Discussion (0)