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### 3293. Calculate Product Final Price

Solved

**Medium** Topics

**SQL Schema** > **Pandas Schema** >

**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  $1000 - (10\% \text{ of } 1000) = 900$ .
- For product 2, it belongs to the Clothing category which has a 20% discount, so the final price is  $50 - (20\% \text{ of } 50) = 40$ .
- For product 3, it belongs to the Electronics category and receives a 10% discount, so the final price is  $1200 - (10\% \text{ of } 1200) = 1080$ .
- 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 2,521 / 3.2K | Acceptance Rate 79.4%

Topics

Discussion (2)

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