

1251.Average Selling Price

13 July 2025 10:40 PM

Column Name	Type
product_id	int
start_date	date
end_date	date
price	int

(product_id, start_date, end_date) is the primary key (combination of columns with unique values) for this table.
Each row of this table indicates the price of the product_id in the period from start_date to end_date.
For each product_id there will be no two overlapping periods. That means there will be no two intersecting periods for the same product_id.

Column Name	Type
product_id	int
purchase_date	date
units	int

This table may contain duplicate rows.
Each row of this table indicates the date, units, and product_id of each product sold.

Prices table:

product_id	start_date	end_date	price
1	2019-02-17	2019-02-28	5
1	2019-03-01	2019-03-22	20
2	2019-02-01	2019-02-20	15
2	2019-02-21	2019-03-31	30

UnitsSold table:

product_id	purchase_date	units
1	2019-02-25	100
1	2019-03-01	15
2	2019-02-10	200
2	2019-03-22	30

product_id	average_price
1	6.96
2	16.96

Average selling price = Total Price of Product / Number of products sold.
Average selling price for product 1 = $((100 * 5) + (15 * 20)) / 115 = 6.96$

Average selling price for product 2 = $((200 * 15) + (30 * 30)) / 230 = 16.96$

From <<https://leetcode.com/problems/average-selling-price/description/?envType=study-plan-v2&envId=top-sql-50>>

The screenshot shows a MySQL code editor interface. The code area contains the following SQL query:

```
1  SELECT
2      P.PRODUCT_ID,
3      IFNULL(
4          ROUND(SUM(P.price * U.units) * 1.0 / SUM(U.units), 2),
5          0
6      ) AS average_price
7  FROM PRICES P
8  LEFT JOIN
9      UNITSSOLD U
10 ON
11      P.PRODUCT_ID = U.PRODUCT_ID
12 AND
13      U.PURCHASE_DATE BETWEEN P.START_DATE AND P.END_DATE
14 GROUP BY
15      P.PRODUCT_ID
```

The code is syntax-highlighted with colors for different MySQL keywords and identifiers. The editor has a toolbar at the top with icons for copy, paste, and search. At the bottom left, it says "Saved", and at the bottom right, it shows "Ln 15, Col 17".