

**Example 1:****Input:**

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

**Output:**

product_id	average_price
1	6.96
2	16.96

**Explanation:**

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 =  $((200 * 15) + (30 * 30)) / 230 = 16.96$ 

# Write your MySQL query statement below

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select

p.product\_id,

COALESCE(round(sum(p.price \* COALESCE(u.units,0))/ NULLIF(sum(COALESCE(u.units,0)),0),2),0) as

average\_price

from Prices p left join UnitsSold u on p.product\_id=u.product\_id

and u.purchase\_date between p.start\_date and p.end\_date

group by p.product\_id