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

```sql
# Write your MySQL query statement below
select
    p.product_id,
    round(sum(p.price * u.units)/ sum(u.units),2) as average_price

from Prices p left join UnitsSold u on p.product_id=u.product_id
where u.purchase_date between p.start_date and p.end_date
group by p.product_id
```