

Description Editorial Solutions (800) Submissions

## 1164. Product Price at a Given Date

Medium 572 146

Companies

SQL Schema &gt;

Table: Products

Column Name	Type
product_id	int
new_price	int
change_date	date

(product\_id, change\_date) is the primary key of this table.  
Each row of this table indicates that the price of some product was changed to a new price at some date.

Write an SQL query to find the prices of all products on 2019-08-16. Assume the price of all products before any change is 10.

Return the result table in **any order**.

The query result format is in the following example.

## Example 1:

## Input:

Products table:

product_id	new_price	change_date
1	20	2019-08-14
2	50	2019-08-14
1	30	2019-08-15
1	35	2019-08-16
2	65	2019-08-17
3	20	2019-08-18

## Output:

product_id	price
2	50
1	35
3	10

Accepted 58.4K Submissions 98.3K Acceptance Rate 59.4%

Seen this question in a real interview before? 1/4

Yes No

Discussion (22)

Related Topics

Copyright © 2023 LeetCode All rights reserved

# MySQL Auto

```
1 # Write your MySQL query statement below
2 WITH t1 AS(
3     SELECT product_id, MAX(change_date) AS last_change_date
4     FROM Products
5     WHERE change_date <= '2019-08-16'
6     GROUP BY product_id
7 )
8
9 SELECT product_id, new_price AS price
10 FROM Products
11 WHERE (product_id, change_date) IN(
12     SELECT product_id, last_change_date
13     FROM t1)
14 UNION
15 SELECT product_id, 10 AS price
16 FROM Products
17 WHERE product_id NOT IN(
18     SELECT product_id
19     FROM t1
20 )
```

Ln 19, Col 10

Console ^

XX

Run

Submit