Description | Solution | Submissions | Discuss (98)

1164. Product Price at a Given Date

Medium 👍 64 👎 11 ♡ Add to List ↪ Share

SQL Schema ›

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**.

The query result format is in the following example:

```
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  |
+------------+-----------+-------------+

Result table:
+------------+-------+
| product_id | price |
+------------+-------+
| 2          | 50    |
| 1          | 35    |
| 3          | 10    |
+------------+-------+
```

Accepted 5,787 | Submissions 9,095

Seen this question in a real interview before? Yes No

Contributor