534. Game Play Analysis III `Premium`

`Medium` 🏷 Topics 🏢 Companies

SQL Schema > Pandas Schema >
Table: `Activity`

```
+---------------+---------+
| Column Name   | Type    |
+---------------+---------+
| player_id     | int     |
| device_id     | int     |
| event_date    | date    |
| games_played  | int     |
+---------------+---------+
(player_id, event_date) is the primary key (column with unique
values) of this table.
This table shows the activity of players of some games.
Each row is a record of a player who logged in and played a number
of games (possibly 0) before logging out on someday using some
device.
```
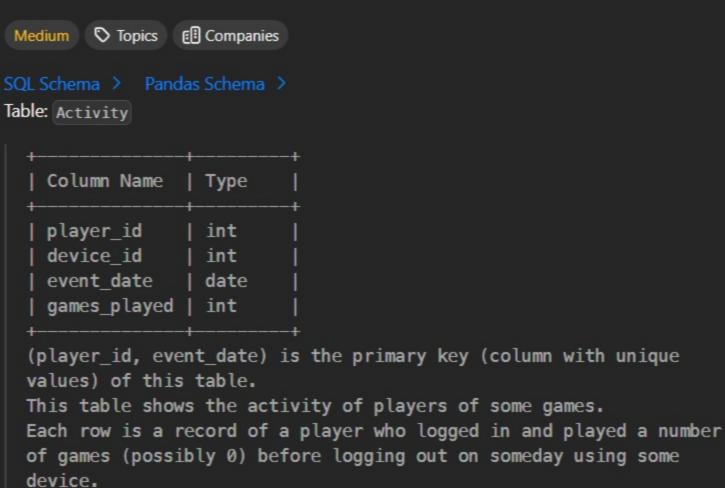
Write a solution to report for each player and date, how many games played **so far** by the player. That is, the total number of games played by the player until that date. Check the example for clarity.

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

The result format is in the following example.

Example 1:

```
Input:
Activity table:
+-----------+-----------+------------+--------------+
| player_id | device_id | event_date | games_played |
+-----------+-----------+------------+--------------+
| 1         | 2         | 2016-03-01 | 5            |
| 1         | 2         | 2016-05-02 | 6            |
| 1         | 3         | 2017-06-25 | 1            |
| 3         | 1         | 2016-03-02 | 0            |
| 3         | 4         | 2018-07-03 | 5            |
+-----------+-----------+------------+--------------+

Output:
+-----------+------------+---------------------+
| player_id | event_date | games_played_so_far |
+-----------+------------+---------------------+
| 1         | 2016-03-01 | 5                   |
| 1         | 2016-05-02 | 11                  |
| 1         | 2017-06-25 | 12                  |
| 3         | 2016-03-02 | 0                   |
| 3         | 2018-07-03 | 5                   |
+-----------+------------+---------------------+

Explanation:
For the player with id 1, 5 + 6 = 11 games played by 2016-05-02,
and 5 + 6 + 1 = 12 games played by 2017-06-25.
For the player with id 3, 0 + 5 = 5 games played by 2018-07-03.
Note that for each player we only care about the days when the
player logged in.
```

Seen this question in a real interview before?   1/5
`Yes` `No`

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