534. Game Play Analysis III

Description

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.
```