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 (combination of columns 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.

The **install date** of a player is the first login day of that player.

We define **day one retention** of some date x to be the number of players whose **install date** is x and they logged back in on the day right after x, divided by the number of players whose install date is x, rounded to 2 decimal places.

Write a solution to report for each install date, the number of players that installed the game on that day, and the **day one retention**.

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 | 2016-03-02 | 6 |  
| 2 | 3 | 2017-06-25 | 1 |  
| 3 | 1 | 2016-03-01 | 0 |  
| 3 | 4 | 2016-07-03 | 5 |  
+-----------+-----------+------------+--------------+  
Output:   
+------------+----------+----------------+  
| install\_dt | installs | Day1\_retention |  
+------------+----------+----------------+  
| 2016-03-01 | 2 | 0.50 |  
| 2017-06-25 | 1 | 0.00 |  
+------------+----------+----------------+  
Explanation:   
Player 1 and 3 installed the game on 2016-03-01 but only player 1 logged back in on 2016-03-02 so the day 1 retention of 2016-03-01 is 1 / 2 = 0.50  
Player 2 installed the game on 2017-06-25 but didn't log back in on 2017-06-26 so the day 1 retention of 2017-06-25 is 0 / 1 = 0.00