## DAY 9

Table: Activity

Col_Name	Туре
player_id	int
device_id	int
event_date	date
games_played	int

(player id, event date) is the primary key of this table.

This Table shows the Activity of players of some game.

Each row is a record of a player who logged in and played a number of games (possibly 0) before logging out on some day using some device.

We define the install date of a player to be the first login day of that player. We also define day 1 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 an SQL query that reports for each install date, the number of players that installed the game on that day and the day 1 retention.

The query result format is in the following example:

## Sample Input

Activity table:

player_id	device_id	event_date	games_playe
1	2	1/3/2016	5
1	2	2/3/2016	6
2	3	25/06/2017	1
3	1	1/3/2016	0
3	4	3/7/2016	5

## **Sample Output:**

install_dt	installs	Day1_retention
1/3/2016	2	0.5
25/06/2017	1	0

## **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