

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, di 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:

TO MANAGE TOUR
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
+
Result table:
+
install_dt installs Day1_retention
+
2016-03-01 2 0.50
2017-06-25 1 0.00
+
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 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 $^{\circ}$
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Seen this question in a real interview before? Yes No
Contributor
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