

# 578. Get Highest Answer Rate Question Premium

Medium Topics Companies Hint

SQL Schema > Pandas Schema >

Table: SurveyLog

Column Name	Type
id	int
action	ENUM
question_id	int
answer_id	int
q_num	int
timestamp	int

This table may contain duplicate rows.  
action is an ENUM (category) of the type: "show", "answer", or "skip".  
Each row of this table indicates the user with ID = id has taken an action with the question question\_id at time timestamp.  
If the action taken by the user is "answer", answer\_id will contain the id of that answer, otherwise, it will be null.  
q\_num is the numeral order of the question in the current session.

The **answer rate** for a question is the number of times a user answered the question by the number of times a user showed the question.

Write a solution to report the question that has the highest **answer rate**. If multiple questions have the same maximum **answer rate**, report the question with the smallest question\_id.

The result format is in the following example.

### Example 1:

**Input:**  
SurveyLog table:

id	action	question_id	answer_id	q_num	timestamp
5	show	285	null	1	123
5	answer	285	124124	1	124
5	show	369	null	2	125
5	skip	369	null	2	126

**Output:**

survey_log
285

**Explanation:**  
Question 285 was showed 1 time and answered 1 time. The answer rate of question 285 is 1.0  
Question 369 was showed 1 time and was not answered. The answer rate of question 369 is 0.0  
Question 285 has the highest answer rate.

Seen this question in a real interview before? 1/5

Yes No

Accepted 59.2K | Submissions 147.1K | Acceptance Rate 40.2%

Topics Database

Companies 0 - 6 months Meta 2

Hint 1 Try to find all question ids by group

Hint 2 Try to find each group answer number and show number.

Hint 3 Rank all the rates (answer/(answer+show)) and return the max one

Discussion (21)