## 1322. Ads Performance Premium

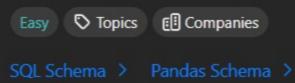


Table: Ads

<b>.</b>	
Column Name	Type
ad_id   user_id	int   int
action	enum

(ad\_id, user\_id) is the primary key (combination of columns with unique values) for this table. Each row of this table contains the ID of an Ad, the ID of a user, and the action taken by this user regarding this Ad. The action column is an ENUM (category) type of ('Clicked', 'Viewed', 'Ignored').

A company is running Ads and wants to calculate the performance of each Ad.

Performance of the Ad is measured using Click-Through Rate (CTR) where:

```
if Ad total clicks + Ad total views = 0
CTR =
```

Write a solution to find the ctr of each Ad. Round ctr to two decimal points.

Return the result table ordered by ctr in **descending order** and by ad\_id in **ascending order** in case of a tie.

The result format is in the following example.

## Example 1:

```
Input:
Ads table:
| ad_id | user_id | action
       | 1
                  Clicked
 2
       | 2
                  Clicked
| 3
       | 3
                   Viewed
       | 5
                  Ignored
| 1
       | 7
                   Ignored
        | 7
                   Viewed
                  Clicked |
 3
       | 5
       | 4
                   Viewed
| 2
       | 11
                   Viewed
       | 2
                  Clicked |
Output:
```

ac	_id	ctr
1		66.67
3		50.00
2		33.33
5		0.00
+		

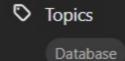
## Explanation:

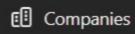
```
for ad_id = 1, ctr = (2/(2+1)) * 100 = 66.67
for ad_id = 2, ctr = (1/(1+2)) * 100 = 33.33
for ad_id = 3, ctr = (1/(1+1)) * 100 = 50.00
for ad_id = 5, ctr = 0.00, Note that ad_id = 5 has no clicks or views.
Note that we do not care about Ignored Ads.
```

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



Accepted 45.2K Submissions **76K** Acceptance Rate **59.5%** 





0 - 6 months



Discussion (9)