



LeetCode

50 Days 50 SQL Questions
Work In Progress

Day 18/50

***18. Percentage of Users
attended a Contest***





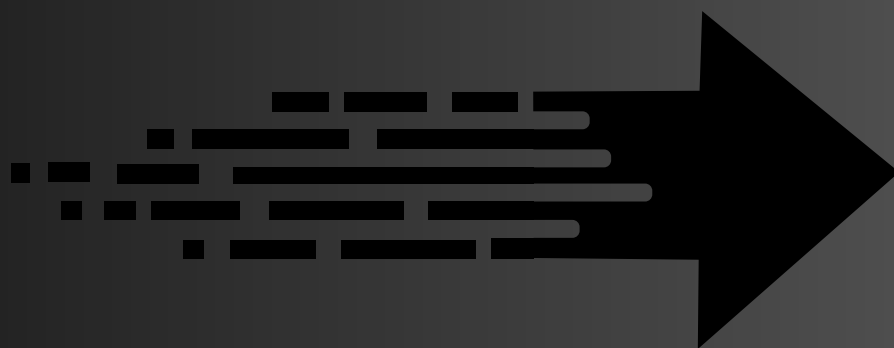
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Question

Write a solution to find the percentage of the users registered in each contest rounded to **two decimals**.

Return the result table ordered by `percentage` in **descending order**. In case of a tie, order it by `contest_id` in **ascending order**.





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Table

Input:

Users table:

user_id	user_name
6	Alice
2	Bob
7	Alex

Register table:

contest_id	user_id
215	6
209	2
208	2
210	6
208	6
209	7
209	6
215	7
208	7
210	2
207	2
210	7





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Approach

Used a Inner Join to get percentage of Total Users participating in each contest. For percentage, I divided the Count of users (participating in the contest) by the count of all users (through subquery) and at last group by the result by contest_id and Order by the result by percent in DESC and contest in ASC order.





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Query

MySQL   Auto

```
1 # Write your MySQL query statement below
2 SELECT r.contest_id,
3 ROUND(COUNT(r.user_id)*100/(SELECT COUNT(user_id) FROM users),2) AS percentage
4 FROM register r INNER JOIN users u
5 |   ON r.user_id = u.user_id
6 GROUP BY r.contest_id
7 ORDER BY percentage DESC , r.contest_id ASC;
```





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Output

Output:

contest_id	percentage
208	100.0
209	100.0
210	100.0
215	66.67
207	33.33





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Thank You :)

