

# Problem 1633: Percentage of Users Attended a Contest

## Problem Information

Difficulty: Easy

Acceptance Rate: 0.00%

Paid Only: No

## Problem Description

Table:

Users

+-----+-----+ | Column Name | Type | +-----+-----+ | user\_id | int | | user\_name | varchar | +-----+-----+ user\_id is the primary key (column with unique values) for this table. Each row of this table contains the name and the id of a user.

Table:

Register

+-----+-----+ | Column Name | Type | +-----+-----+ | contest\_id | int | | user\_id | int | +-----+-----+ (contest\_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 a user and the contest they registered into.

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

.

The result format is in the following example.

Example 1:

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 | +-----+-----+

Output:

+-----+-----+ | contest\_id | percentage | +-----+-----+ | 208 | 100.0 | | 209 |  
100.0 | | 210 | 100.0 | | 215 | 66.67 | | 207 | 33.33 | +-----+-----+

Explanation:

All the users registered in contests 208, 209, and 210. The percentage is 100% and we sort them in the answer table by contest\_id in ascending order. Alice and Alex registered in contest 215 and the percentage is  $((2/3) * 100) = 66.67\%$  Bob registered in contest 207 and the percentage is  $((1/3) * 100) = 33.33\%$

## Code Snippets

### MySQL:

```
# Write your MySQL query statement below
```

### MS SQL Server:

```
/* Write your T-SQL query statement below */
```

### PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

### Oracle:

```
/* Write your PL/SQL query statement below */
```

### Pandas:

```
import pandas as pd

def users_percentage(users: pd.DataFrame, register: pd.DataFrame) ->
pd.DataFrame:
```

## Solutions

### MySQL Solution:

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