Interviews

Problem Submissions Leaderboard Discussions

Samantha interviews many candidates from different colleges using coding challenges and contests. Write a query to print the contest_id, hacker_id, name, and the sums of total_submissions, total_accepted_submissions, total_views, and total_unique_views for each contest sorted by contest_id. Exclude the contest from the result if all four sums are 0.

Note: A specific contest can be used to screen candidates at more than one college, but each college only holds 1 screening contest.

Input Format

The following tables hold interview data:

- Contests: The contest_id is the id of the contest, hacker_id is the id of the hacker who created the contest, and name is the name of the hacker.

Column	Type
contest_id	Integer
hacker_id	Integer
name	String

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Difficulty Hard

Max Score 50

Submitted By 57764

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Suggest Edits

- Colleges: The college_id is the id of the college, and contest_id is the id of the contest that Samantha used to screen the candidates.

Column	Type
college_id	Integer
contest_id	Integer

- Challenges: The challenge_id is the id of the challenge that belongs to one of the contests whose contest_id Samantha forgot, and college_id is the id of the college where the challenge was given to candidates.

Column	Type
challenge_id	Integer
college_id	Integer

- View_Stats: The challenge_id is the id of the challenge, total_views is the number of times the challenge was viewed by candidates, and total_unique_views is the number of times the challenge was viewed by unique candidates.

Column	Type
challenge_id	Integer
total_views	Integer
total_unique_views	Integer

- Submission_Stats: The challenge_id is the id of the challenge, total_submissions is the number of submissions for the challenge, and total_accepted_submission is the number of submissions that achieved full scores.

Column	Type
challenge_id	Integer
total_submissions	Integer
total_accepted_submissions	Integer

Sample Input

Contests Table:

contest_id	hacker_id	name
66406	17973	Rose
66556	79153	Angela
94828	80275	Frank

Colleges Table:

college_id	contest_id
11219	66406
32473	66556
56685	94828

Challenges Table:

challenge_id	college_id
18765	11219
47127	11219
60292	32473
72974	56685

View_Stats Table:

challenge_id	total_views	total_unique_views
47127	26	19
47127	15	14
18765	43	10
18765	72	13
75516	35	17
60292	11	10
72974	41	15
75516	75	11

Submission_Stats Table:

challenge_id	total_submissions	total_accepted_submissions
75516	34	12
47127	27	10
47127	56	18
75516	74	12
75516	83	8
72974	68	24
72974	82	14
47127	28	11

Sample Output

```
66406 17973 Rose 111 39 156 56
66556 79153 Angela 0 0 11 10
94828 80275 Frank 150 38 41 15
```

Explanation

The contest 66406 is used in the college 11219. In this college 11219, challenges 18765 and 47127 are asked, so from the view and submission stats:

- Sum of total submissions $= 27 + 56 + 28 = 111$
- Sum of total accepted submissions $= 10 + 18 + 11 = 39$
- Sum of total views $= 43 + 72 + 26 + 15 = 156$
- Sum of total unique views $= 10 + 13 + 19 + 14 = 56$

Similarly, we can find the sums for contests **66556** and **94828**.

MySQL

```
select a.contest_id,
        a.hacker_id,
        a.name,
        sum(total_submissions),
        sum(total_accepted_submissions),
        sum(total_views), sum(total_unique_views)
from contests a
join colleges b on a.contest_id = b.contest_id
join challenges c on  b.college_id = c.college_id
left join
(select challenge_id, sum(total_views) as total_views, sum(total_unique_views) as
total_unique_views
from view_stats group by challenge_id) d on c.challenge_id = d.challenge_id
left join
(select challenge_id, sum(total_submissions) as total_submissions,
sum(total_accepted_submissions) as total_accepted_submissions from submission_stats
group by challenge_id) e on
c.challenge_id = e.challenge_id
    group by a.contest_id, a.hacker_id, a.name
```

```
        having sum(total_submissions)!=0 or
               sum(total_accepted_submissions)!=0 or
               sum(total_views)!=0 or
               sum(total_unique_views)!=0
           order by contest_id;
```

Line: 1 Col: 1

Upload Code as File

Run Code | Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Your Output (stdout)

```
845 579 Rose 1987 580 1635 566
858 1053 Angela 703 160 1002 384
883 1055 Frank 1121 319 1217 338
1793 2655 Patrick 1337 360 1216 412
2374 2765 Lisa 2733 815 3368 904
2963 2845 Kimberly 4306 1221 3603 1184
3584 2873 Bonnie 2492 652 3019 954
4044 3067 Michael 1323 449 1722 528
4249 3116 Todd 1452 376 1767 463
4269 3256 Joe 1018 372 1766 530
4483 3386 Earl 1911 572 1644 477
4541 3608 Robert 1886 516 1694 504
```

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