

Day 10

Problem Statement:

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.

Solution Code:

```
/*Create Database IT_Company_Interview_Candidate*/

create database IT_Company_Interview_Candidate;

/*Use database IT_Company_Interview_Candidate*/

use IT_Company_Interview_Candidate;

/*create table Contests, Colleges, Challenges,View_Stats, Submission_Stats */

create table Contests(Contest_ID int,hacker_ID int, Contestent_Name varchar(100));

create table Colleges(College_ID int, Contest_ID int);

create table Challenges(challenge_id int, College_ID int);

create table View_Stats(challenge_id int, total_views int, total_unique_views int);

create table Submission_Stats(challenge_id int, total_submissions int, total_submissions_accepted int);

/*insert into table Contests*/

insert into Contests(Contest_ID, hacker_ID, Contestent_Name)
values(66406,17973,"Rose"),(66556,79153,"Angela"),(94828,80275,"Frank");

/*insert into table Colleges*/

insert into Colleges(College_ID,Contest_ID) values (11219,66406),(32473,66556),(56685,94828);

/*insert into table Challenges*/

insert into Challenges(challenge_id,College_ID) values(18765,11219),(47127,11219),(60292,32473),(72974,56685);

/*insert into View_Stats*/

insert into View_Stats(challenge_id, total_views, total_unique_views)

values(47127,26,19),(47127,15,14),(18765,43,10),(18765,72,13),(75516,35,17),(60292,11,10),(72974,41,15),(75516,75,11);

/*insert into Submission_Stats*/

insert into Submission_Stats(challenge_id,total_submissions,total_submissions_accepted)

values(75516,34,12),(47127,27,10),(47127,56,18),(75516,74,12),(75516,83,8),(72974,68,24),(72974,82,14),(47127,28,11);

/*checking tables*/

select * from challenges;
```

/*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 .*/

```
select con.Contest_ID, hacker_ID, Contestent_Name,
ifnull(sum(temp1.total_submissions),0),ifnull(sum(temp1.total_submissions_accepted),0),
sum(temp2.total_views),sum(temp2.total_unique_views)
```

from contests as con

left join colleges as col on con.Contest_ID=col.Contest_ID

left join challenges as cha on cha.College_ID = col.College_ID

left join

```
(select ss.challenge_id, sum(ss.total_submissions) as total_submissions, sum(ss.total_submissions_accepted) as
total_submissions_accepted
```

from submission_stats as ss group by ss.challenge_id) as temp1 on cha.challenge_id = temp1.challenge_id

left join

```
(select vs.challenge_id, sum(vs.total_views) as total_views, sum(vs.total_unique_views) as total_unique_views
```

from view_stats as vs group by vs.challenge_id) as temp2 on cha.challenge_id = temp2.challenge_id

group by con.Contest_ID, hacker_ID, Contestent_Name;

Screenshot of the Code:

MySQL Workbench

IVY Practice

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

it_company_interview_center

challenges

colleges

contests

submission_stats

view_stats

Views

Stored Procedures

Administration Schemas

Information

Table: view_stats

Columns: challenge_id int total_views int total_unique_views int

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Limit to 50000 rows

31 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 : ^

32

33 • select con.Contest_ID, hacker_ID, Contestent_Name, ifnull(sum(temp1.total_submissions),0),ifnull(sum(temp1.total_submissions_accepted),0),

34 sum(temp2.total_views),sum(temp2.total_unique_views)

35 from contests as con

36 left join colleges as col on con.Contest_ID=col.Contest_ID

37 left join challenges as cha on cha.College_ID = col.College_ID

38 left join

39 (select ss.challenge_id, sum(ss.total_submissions) as total_submissions, sum(ss.total_submissions_accepted) as total_submissions_accepted

40 from submission_stats as ss group by ss.challenge_id) as temp1 on cha.challenge_id = temp1.challenge_id

41 left join

42 (select vs.challenge_id, sum(vs.total_views) as total_views, sum(vs.total_unique_views) as total_unique_views

43 from view_stats as vs group by vs.challenge_id) as temp2 on cha.challenge_id = temp2.challenge_id

44 group by con.Contest_ID, hacker_ID, Contestent_Name

45

Result Grid

Filter Rows:

Export: Wrap Cell Contents: 12

Contest_ID	hacker_ID	Contestent_Name	ifnull(sum(temp1.total_submissions),0)	ifnull(sum(temp1.total_submissions_accepted),0)	sum(temp2.total_views)	sum(temp2.total_unique_views)
66406	17973	Rose	111	39	156	56
66556	79153	Angela	0	0	11	10
94828	80275	Frank	150	38	41	15

Result 71

Output