**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:**

