Experiment No. 1.4

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Branch: MCA - CCD   **Section/Group: MCD-1/ Grp B**

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Subject Name: ADBMS Lab   **Subject Code: 22CAP-647**

1. **Task to be done:**

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
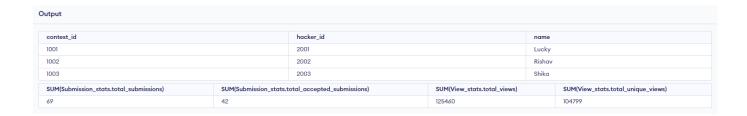
each college only holds screening contest.

2. **Code for experiment/practical:**

```sql
create table Contests(contest_id int, hacker_id int, name varchar(20));
create table College(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_accepted_submissions int);

insert into Challenges values(4001, 3001);
insert into Challenges values(4002, 3002);
insert into Challenges values(4003, 3003);

insert into College values(3001, 1001);
insert into College values(3002, 1002);
insert into College values(3003, 1003);

insert into Contests values(1001, 2001, "Lucky");
insert into Contests values(1002, 2002, "Rishav");
insert into Contests values(1003, 2003, "Shika");

insert into View_stats values(4001, 10458, 9000);
insert into View_stats values(4002, 14468, 11987);
insert into View_stats values(4003, 16894, 13946);

insert into Submission_stats values(4001, 6, 2);
```

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```
insert into Submission_stats values(4002, 10, 7);
insert into Submission_stats values(4003, 7, 5);

select Contests.contest_id, Contests.hacker_id, Contests.name  from Contests;
Select SUM(Submission_stats.total_submissions),
SUM(Submission_stats.total_accepted_submissions),
SUM(View_stats.total_views), SUM(View_stats.total_unique_views)  from Submission_stats,
View_stats
```

3. Result/Output/Writing Summary:

Output

contest_id	hacker_id	name
1001	2001	Lucky
1002	2002	Rishav
1003	2003	Shika

SUM(Submission_stats.total_submissions)	SUM(Submission_stats.total_accepted_submissions)	SUM(View_stats.total_views)	SUM(View_stats.total_unique_views)
69	42	125460	104799

Learning outcomes (What I have learned):

1. Learned about horizontal fragmentation.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance		22

************************************** **THE END** ***