UNIVERSITY INSTITUTE of COMPUTING
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NAAC GRADE A+ ACCREDITED UNIVERSITY

Experiment No. 1.4

Student Name: Lucky
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Branch: MCA
Section/Group: MCA-2/ Grp A
Semester: I
Date of Performance: 29th Oct 22
Subject Name: Advanced DBMS Lab
Subject Code: 22CAP-605

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1. **Aim/Overview of the practical:**

   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:**

Codes for Creating Tables & Inserting Values: -

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

Code for Main Query: -

```
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. Created Table:

Challenges

challenge_id	college_id
4001	3001
4002	3002
4003	3003

College

college_id	contest_id
3001	1001
3002	1002
3003	1003

Contests

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

Submission_stats

challenge_id	total_submissions	total_accepted_submissions
4001	6	2
4002	10	7
4003	7	5

View_stats

challenge_id	total_views	total_unique_views
4001	10458	9000
4002	14468	11987
4003	16894	13946

4. Output:

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 to use SUM of columns in a table.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Pre Lab Quiz)		5

2.	Worksheet		10
3.	Post Lab Quiz		5

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