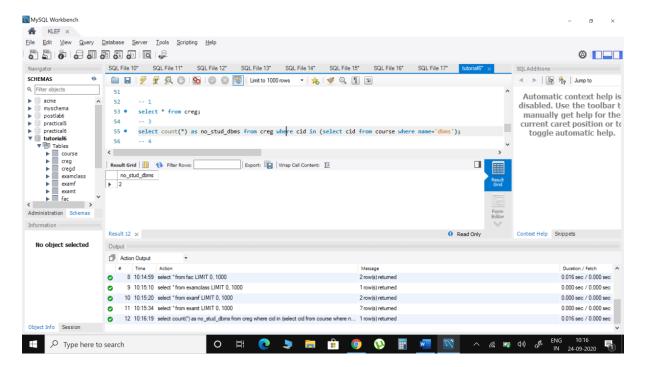
<u>Tutorial – 8</u>

Implement Relational Algebra Expressions for all the queries on University Online Examination Scheduling system

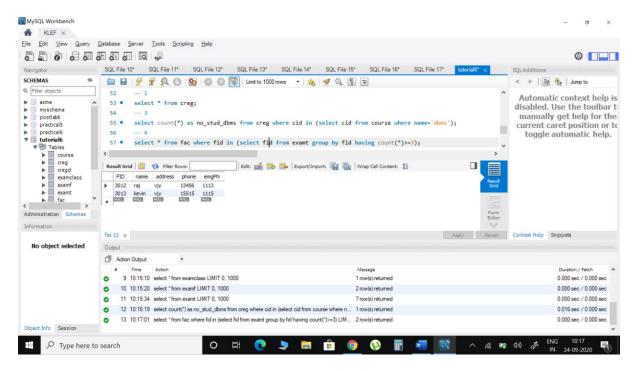
1) Display the number of students enrolled for exam 'DBMS'

select count(*) as no_stud_dbms from creg where cid in (select cid from course where name='dbms');



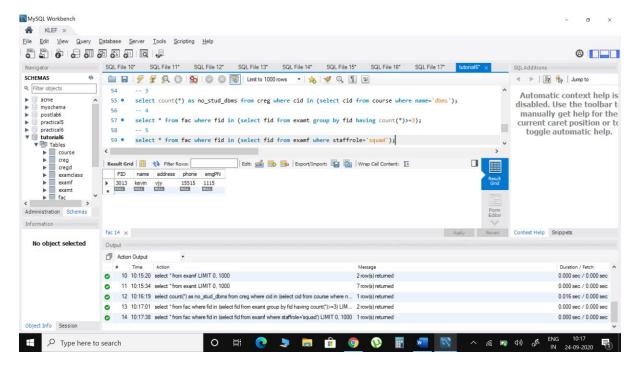
2) Show the details of proctors having duty more than 3 times

select * from fac where fid in (select fid from examt group by fid having count(*)>=3);



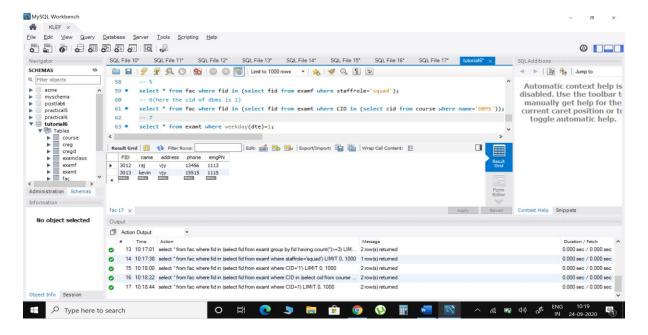
3) Get the details of faculty working as squad

select * from fac where fid in (select fid from examf where staffrole='squad');



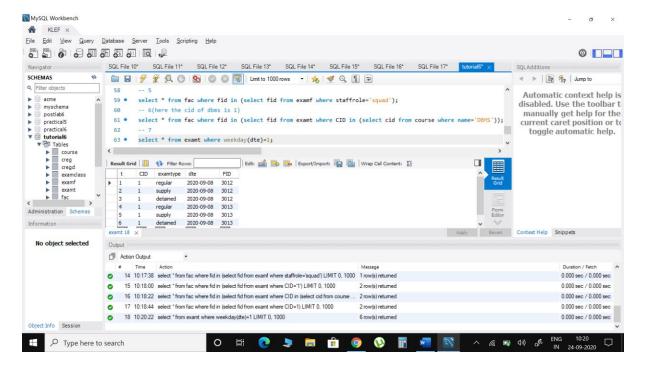
4) Display the details of proctors and squad for exam 'DBMS'

select * from fac where fid in (select fid from examt where CID in (select cid from course where name='DBMS')):



5) Show the number of rooms allotted for each course on 'Tuesday'

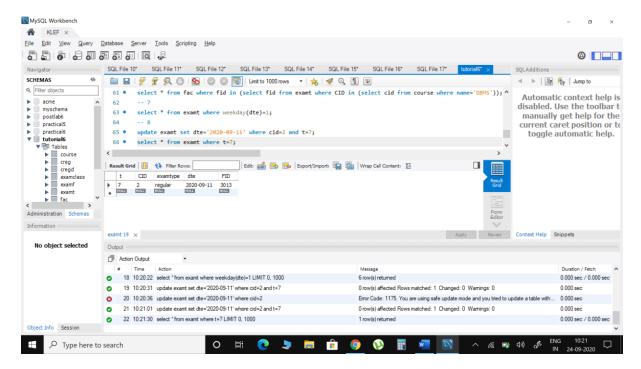
select * from examt where weekday(dte)=1;



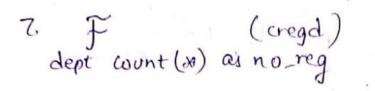
6) Update the exam date of 'OS' which is postponed to 2 days after the scheduled date

update examt set dte='2020-09-11' where cid=2 and t=7;

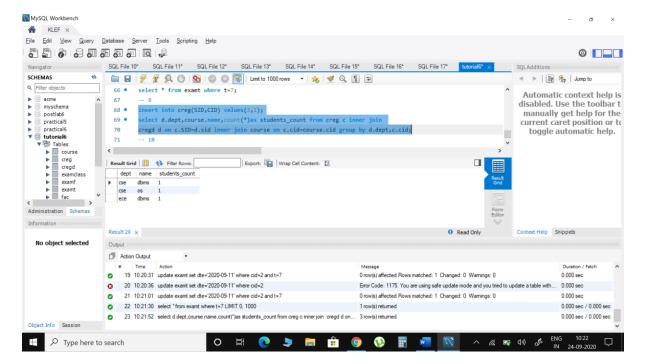
select * from examt where t=7;



7) Give the no. of students enrolled in each course department-wise



select d.dept,course.name,count(*)as students_count from creg c inner join cregd d on c.SID=d.sid inner join course on c.cid=course.cid group by d.dept,c.cid;



8) Display the course details where the enrolled students are greater than the enrolled students in DBMS

select * from creg group by cid having count(*) > (select count(*) from creg where cid in (select cid from course where name='DBMS'));

