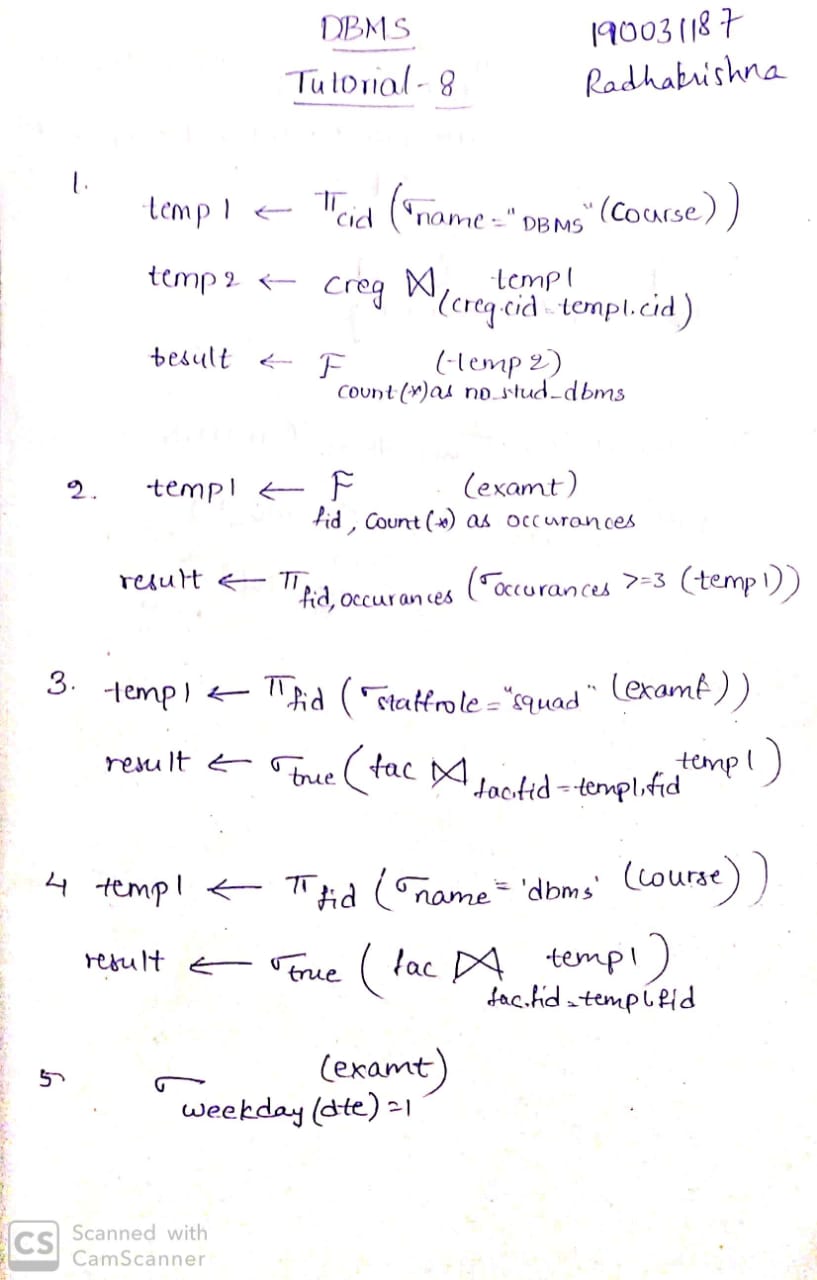
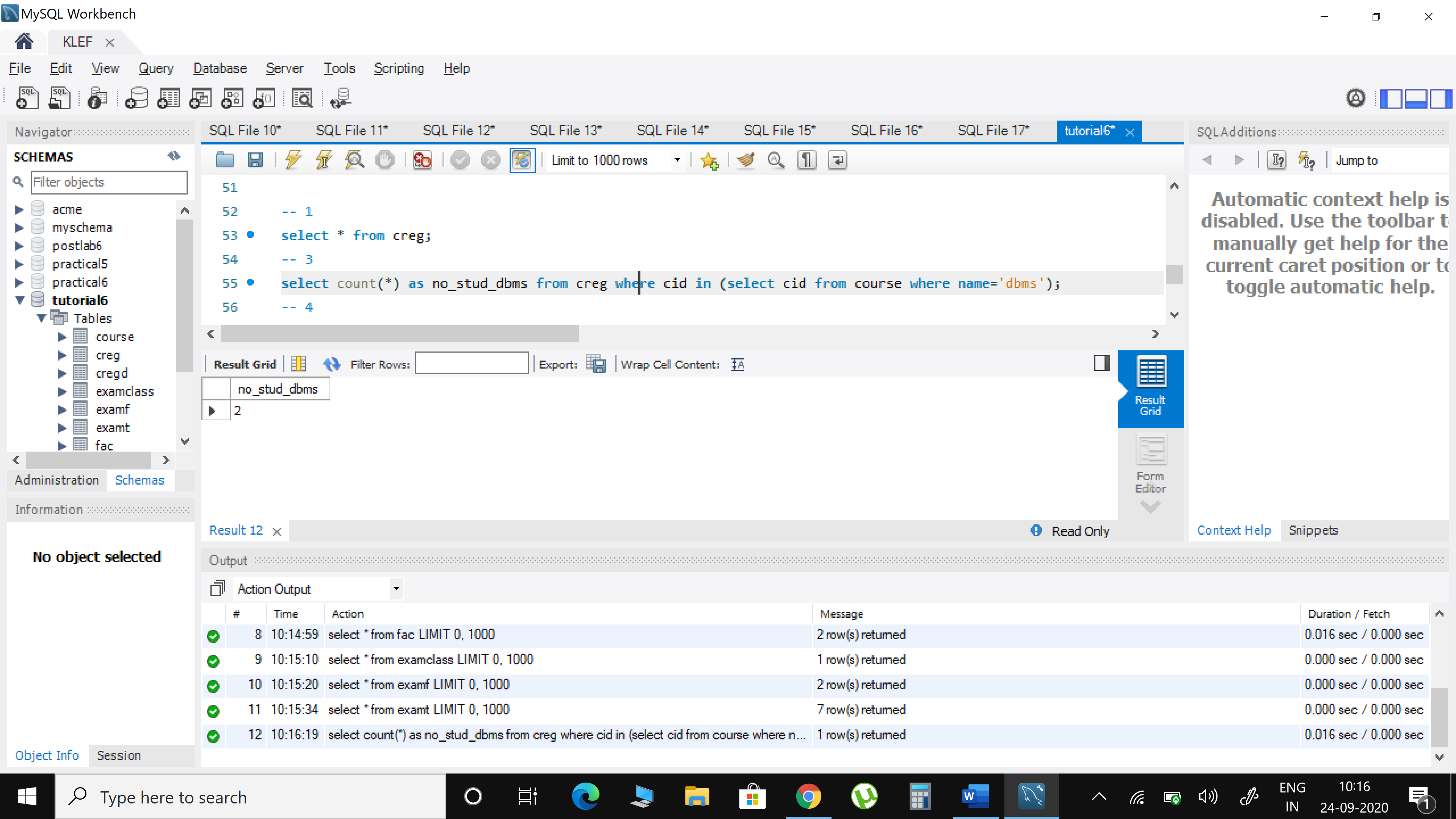
**Tutorial – 8**

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

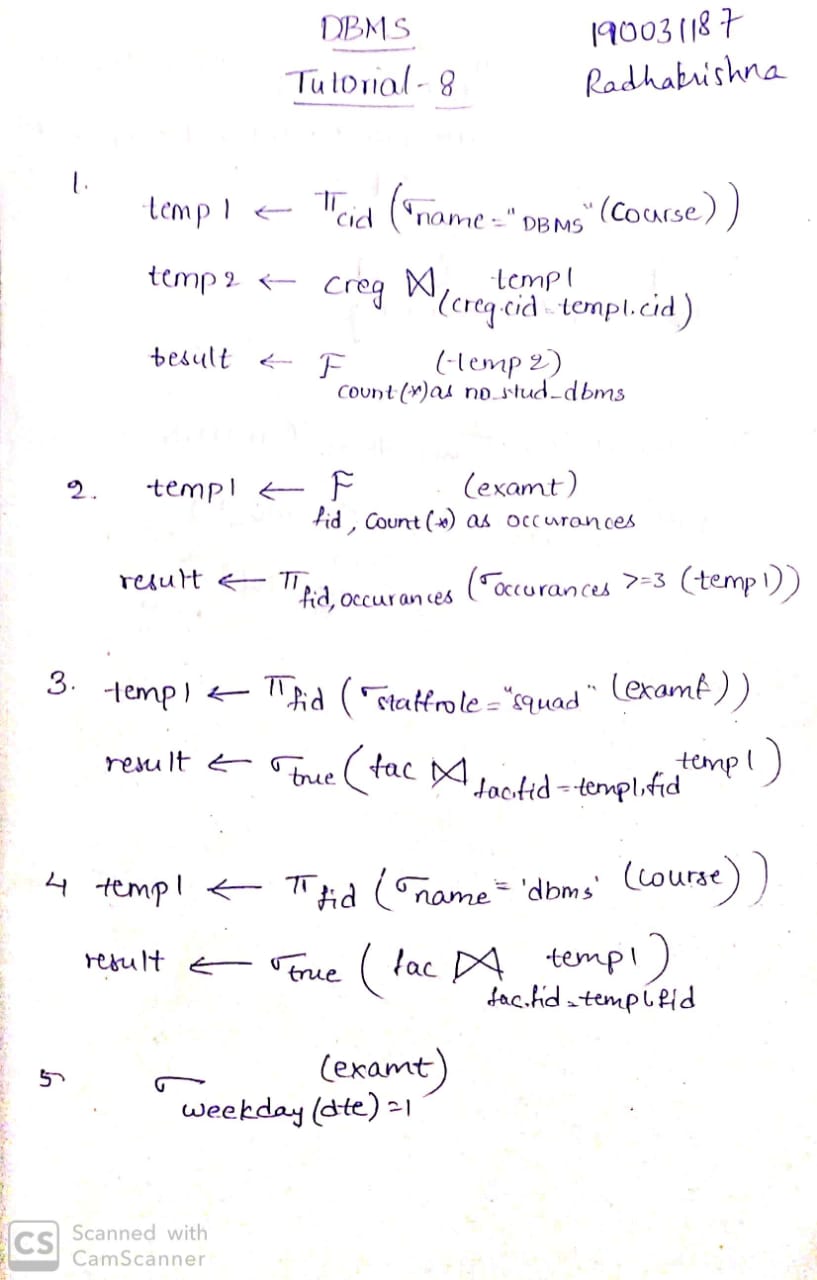
1. **Display the number of students enrolled for exam ‘DBMS’**

****

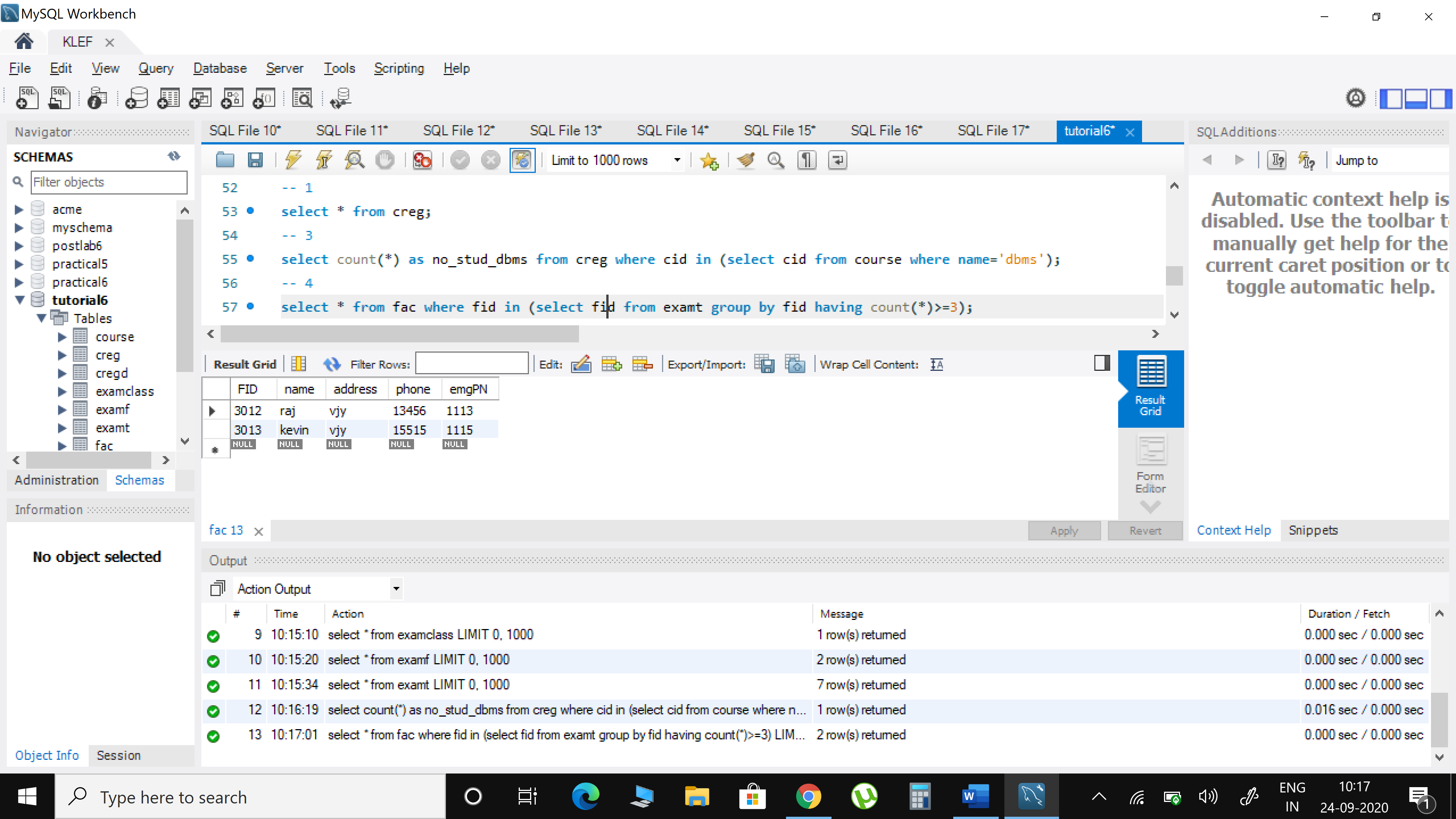
select count(\*) as no\_stud\_dbms from creg where cid in (select cid from course where name='dbms');



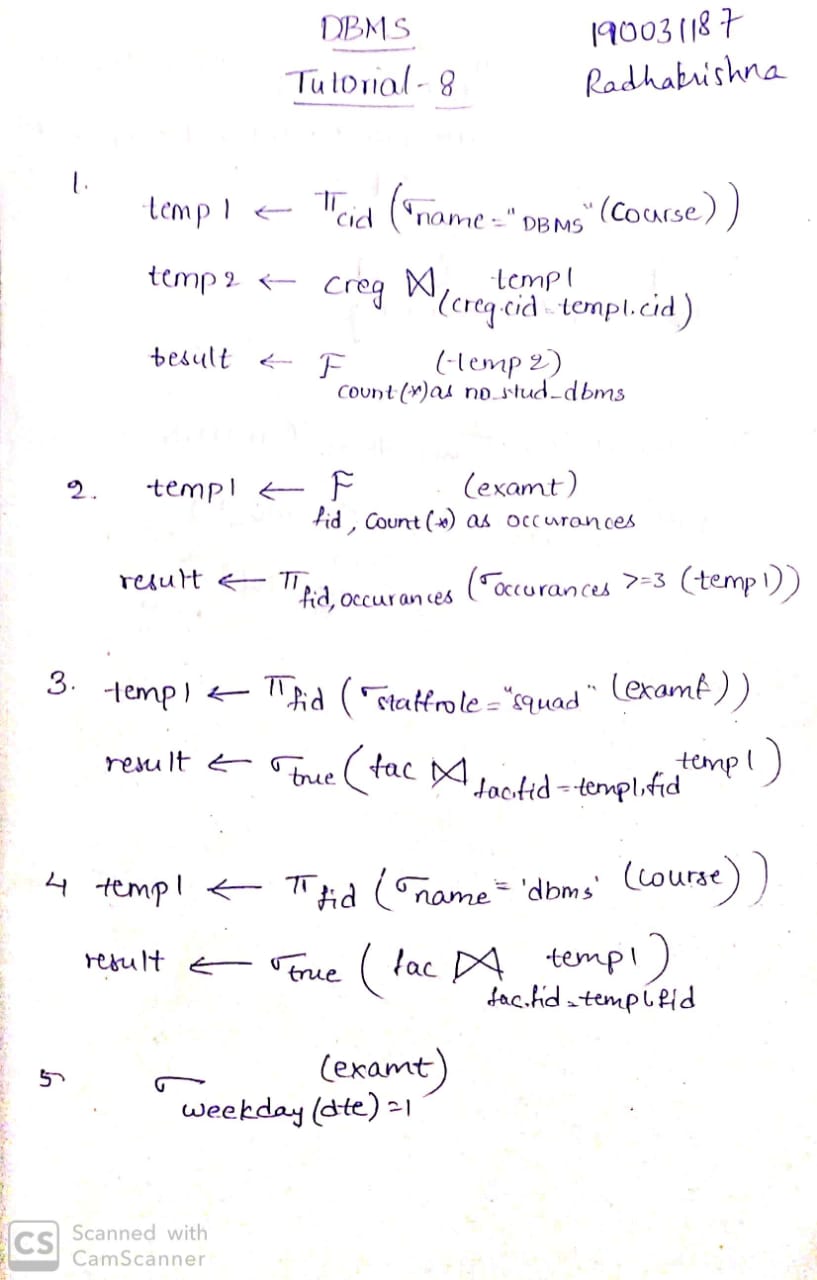
1. **Show the details of proctors having duty more than 3 times**

****

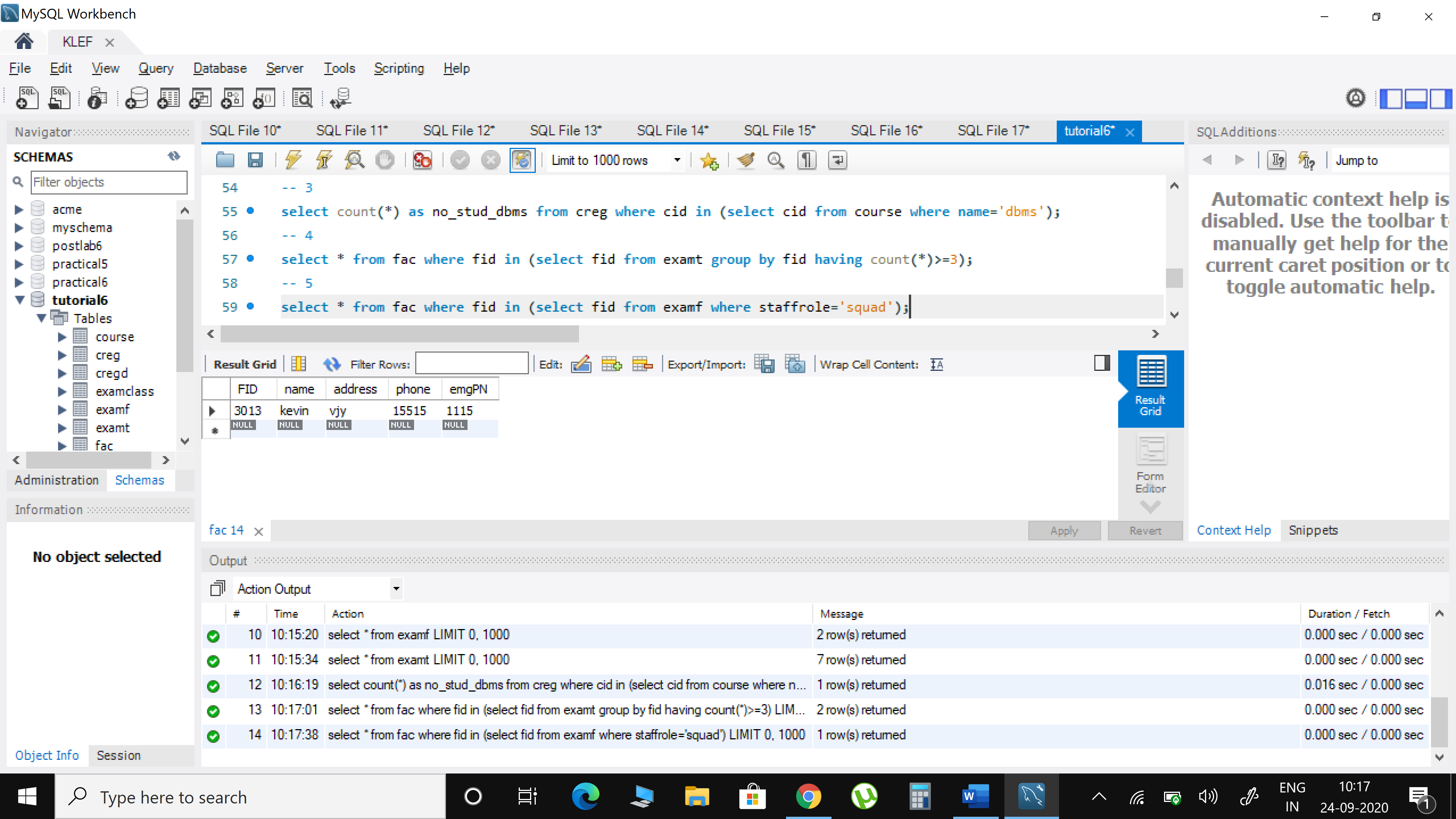
select \* from fac where fid in (select fid from examt group by fid having count(\*)>=3);



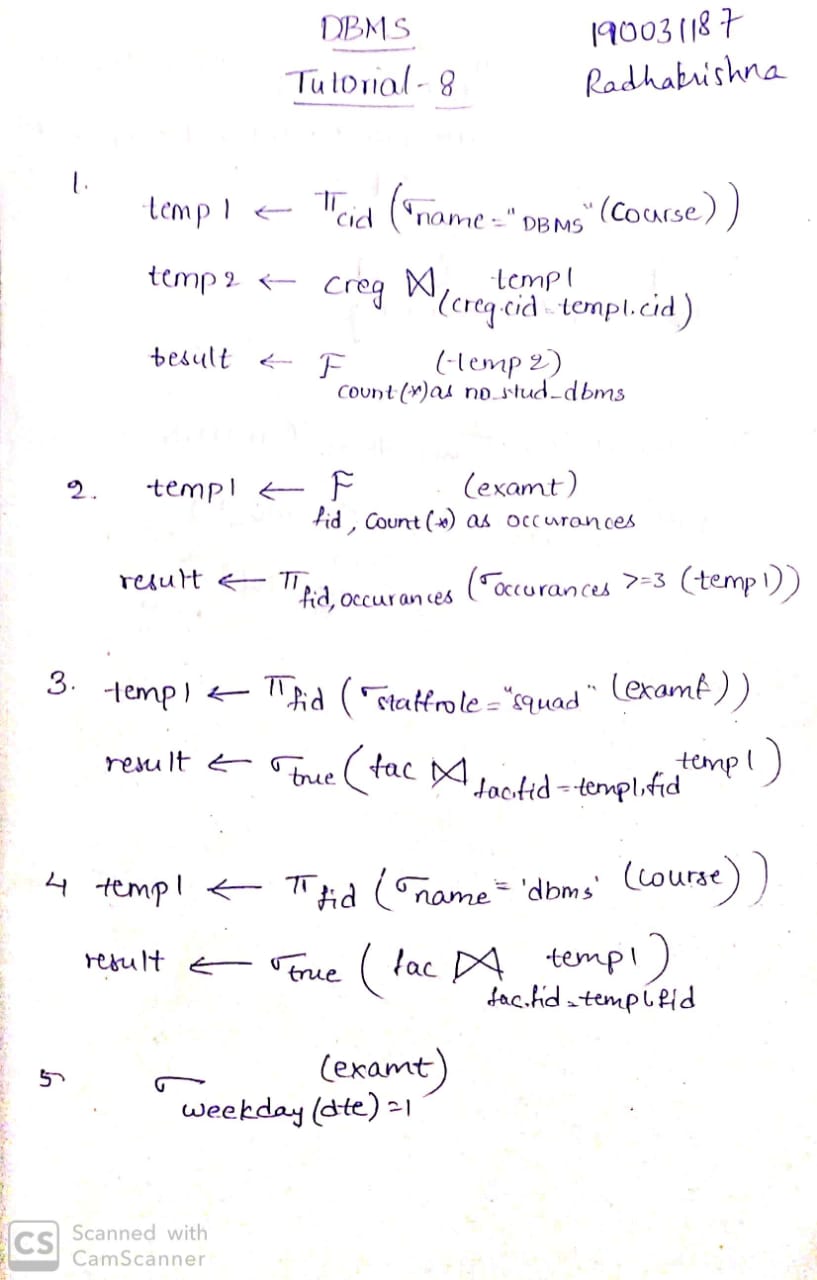
1. **Get the details of faculty working as squad**

****

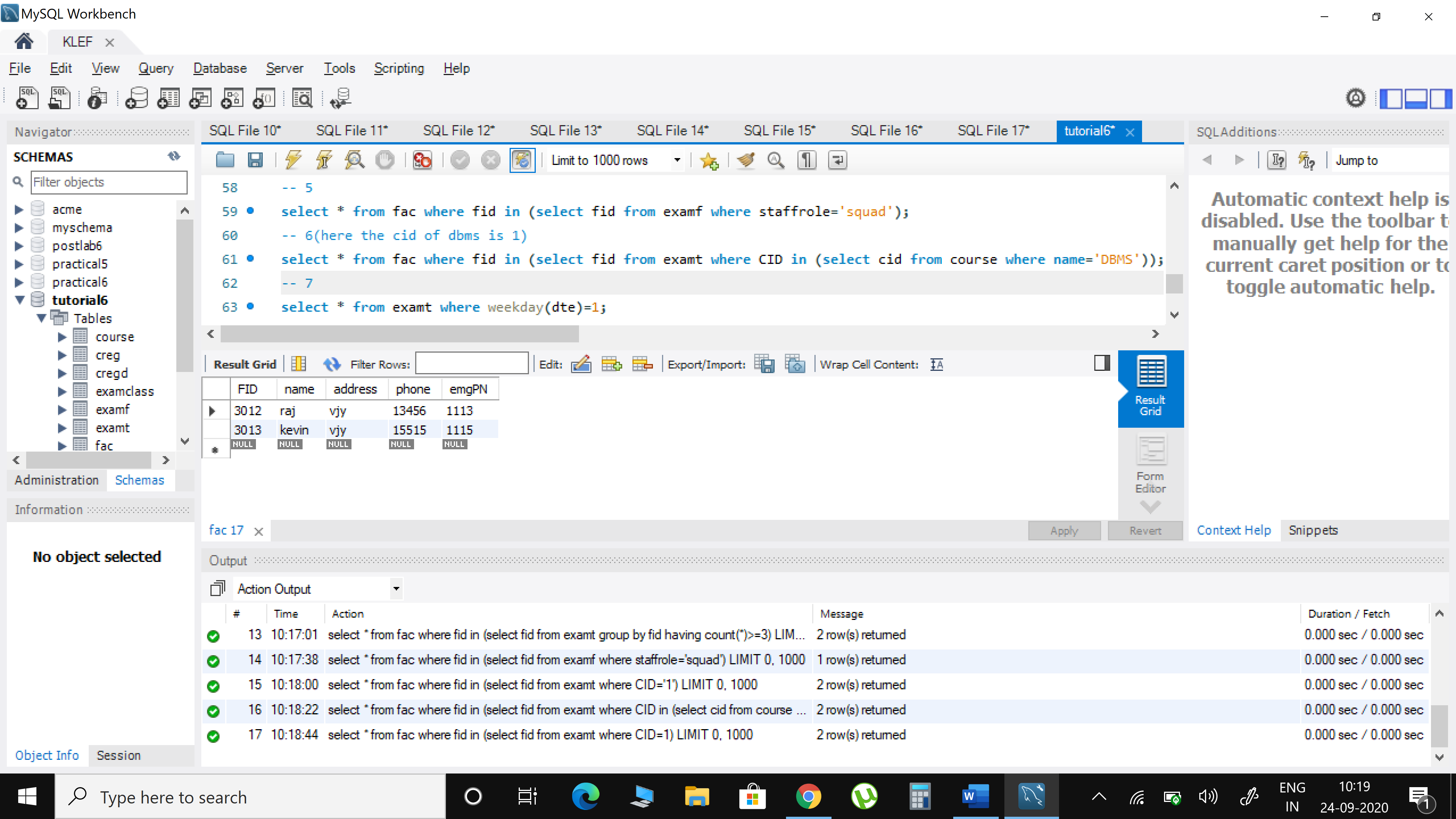
select \* from fac where fid in (select fid from examf where staffrole='squad');



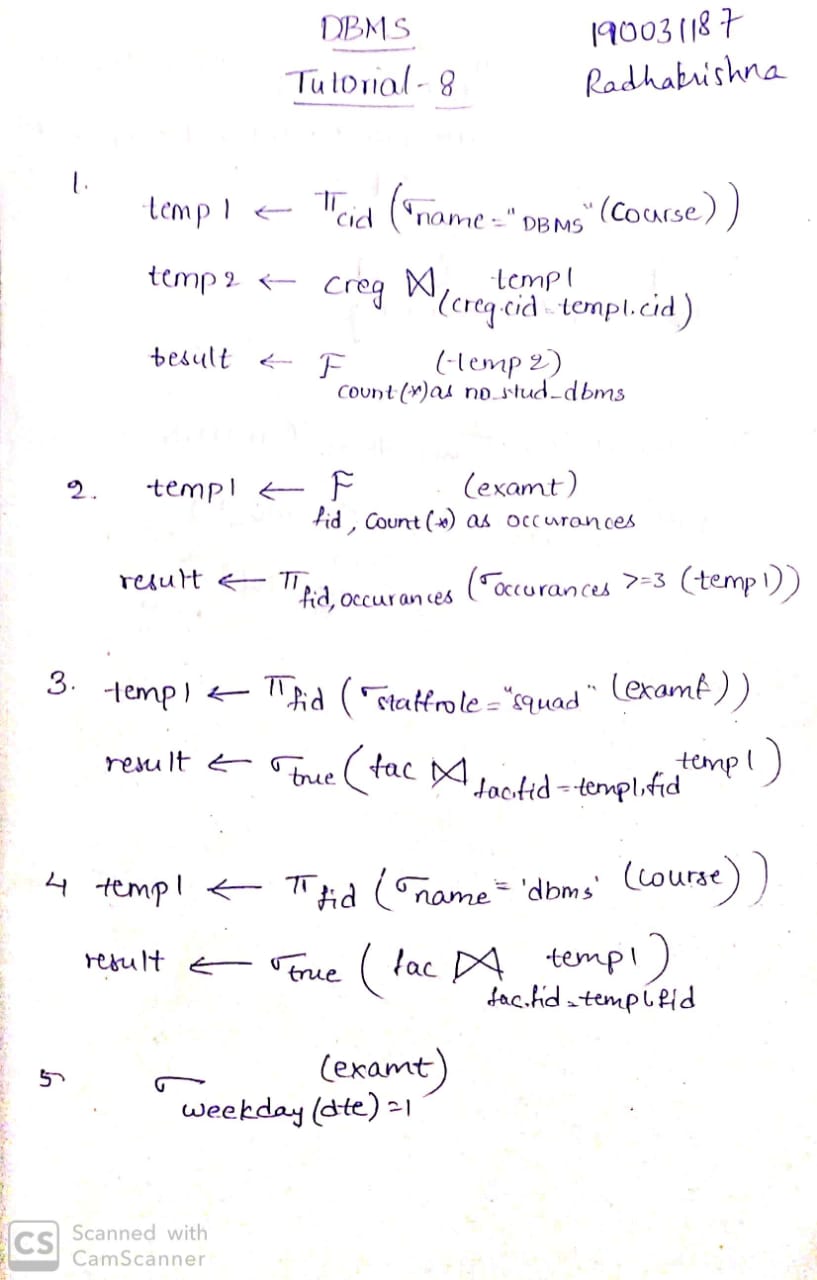
1. **Display the details of proctors and squad for exam ‘DBMS’**

****

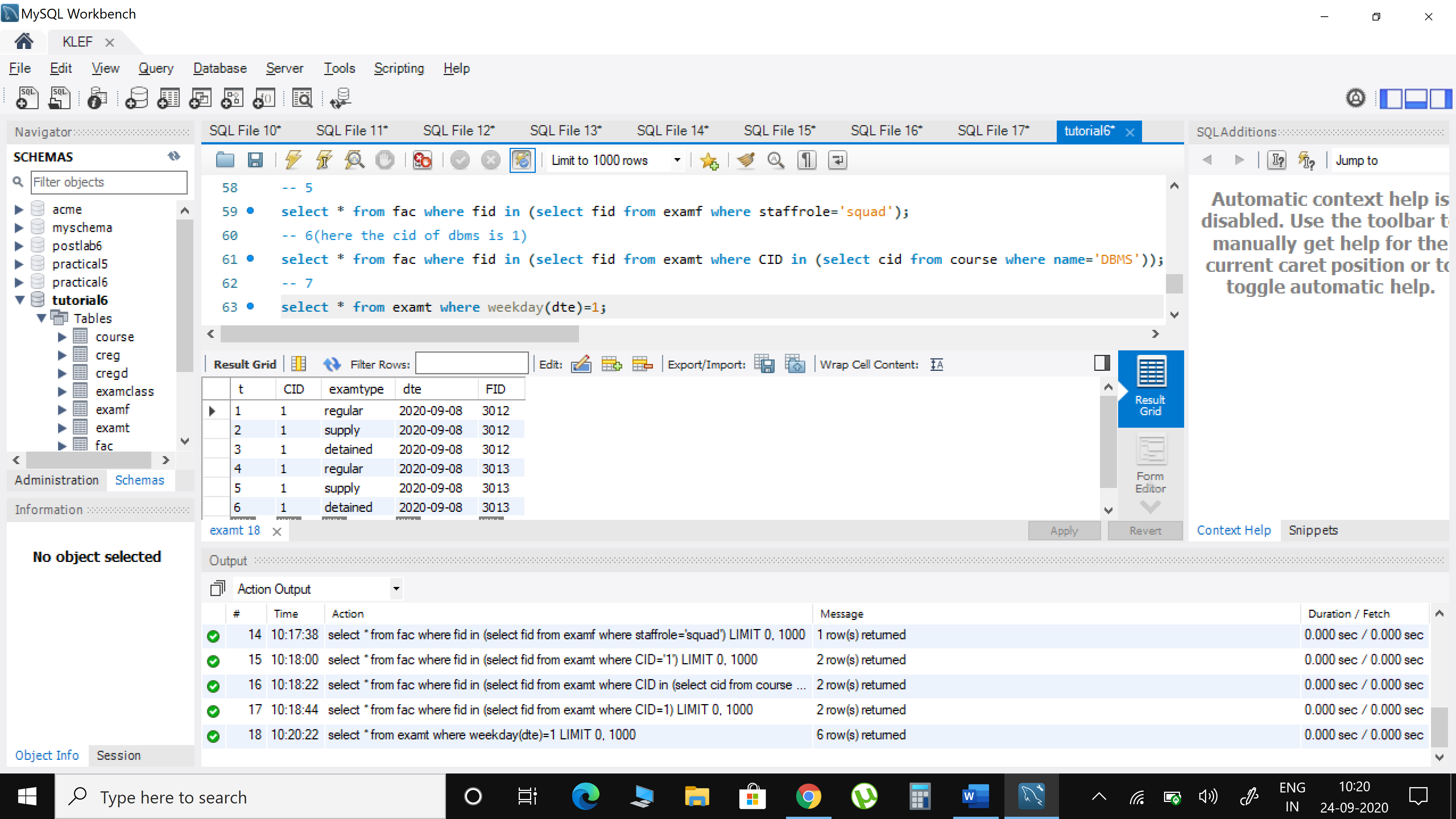
select \* from fac where fid in (select fid from examt where CID in (select cid from course where name='DBMS'));



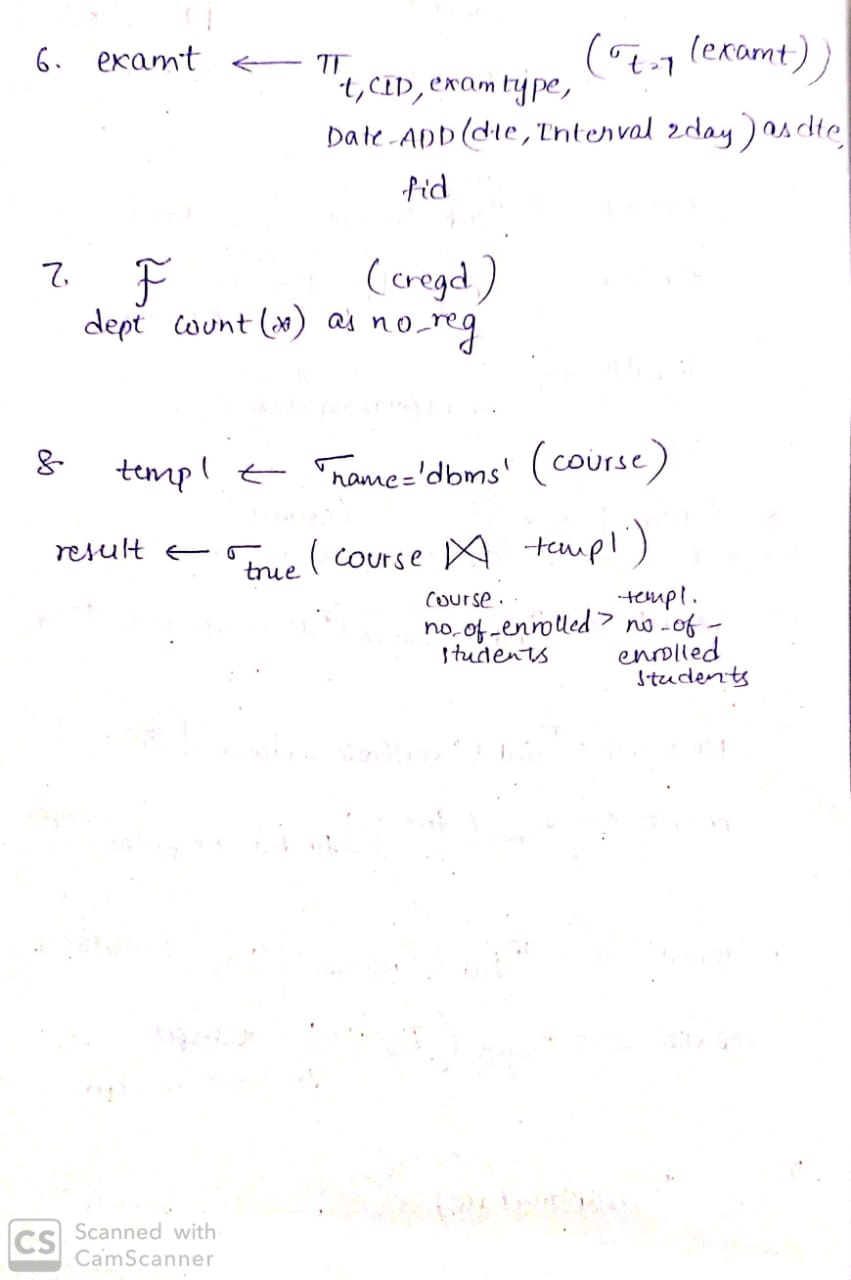
1. **Show the number of rooms allotted for each course on ‘Tuesday’**

****

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

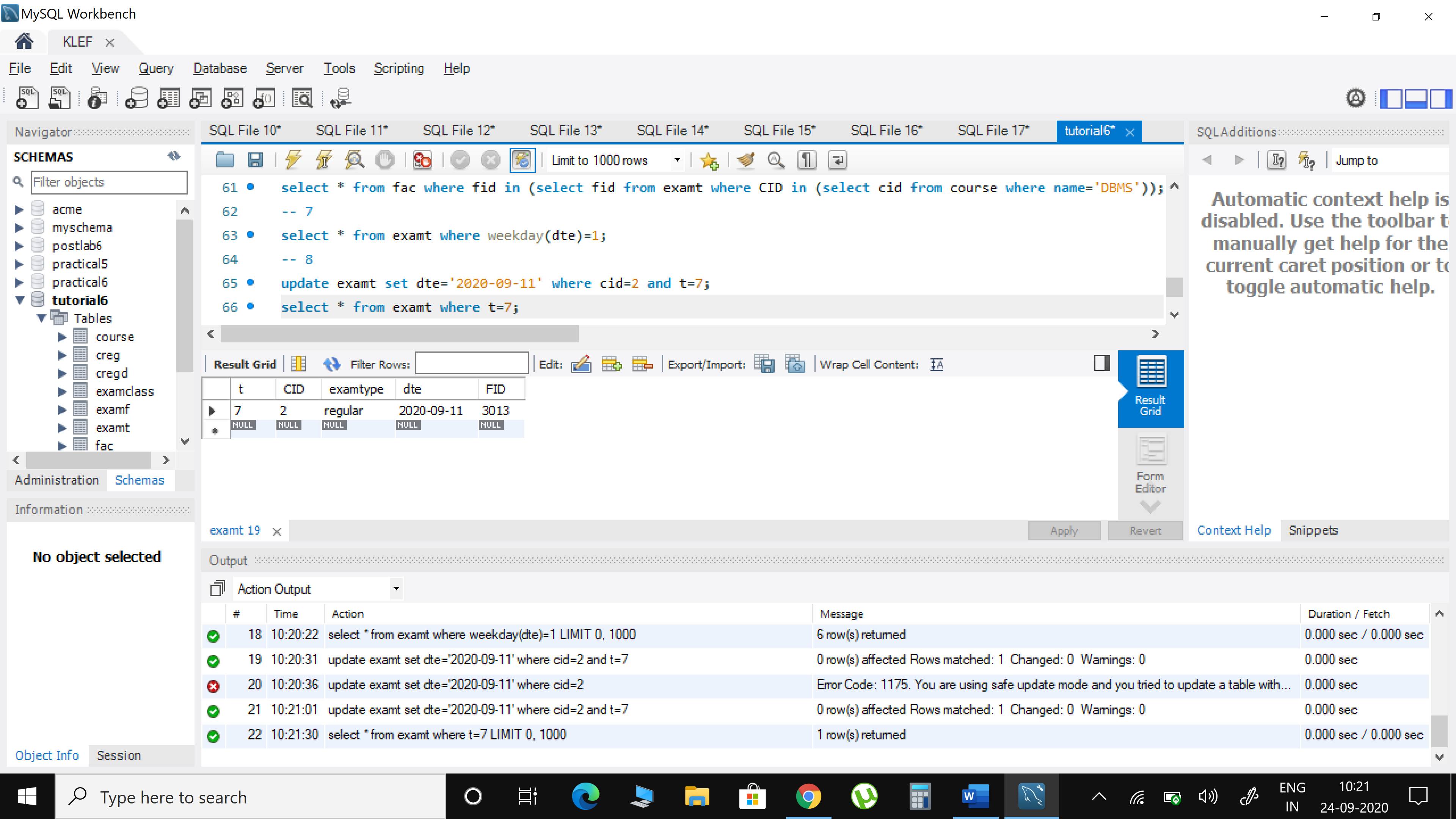


1. **Update the exam date of ‘OS’ which is postponed to 2 days after the scheduled date**

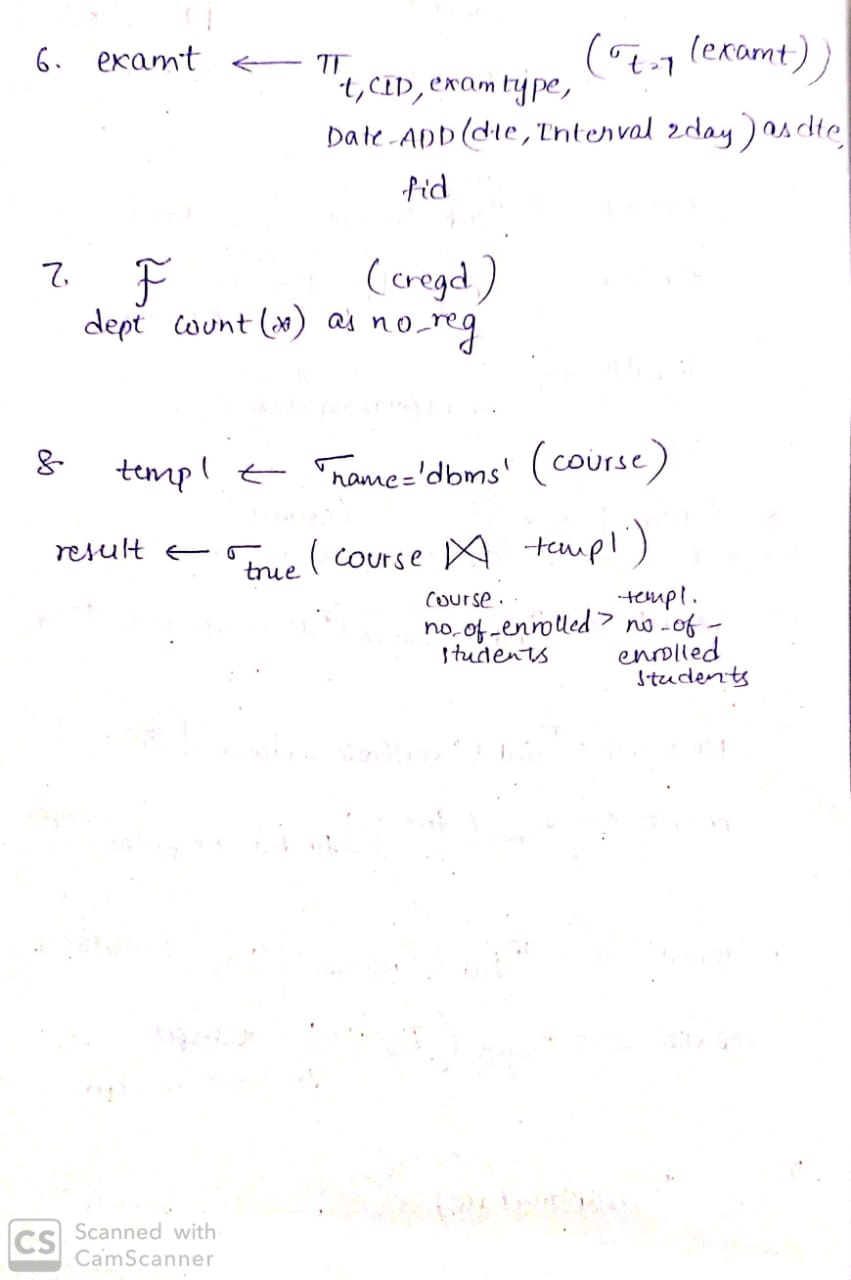
****

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

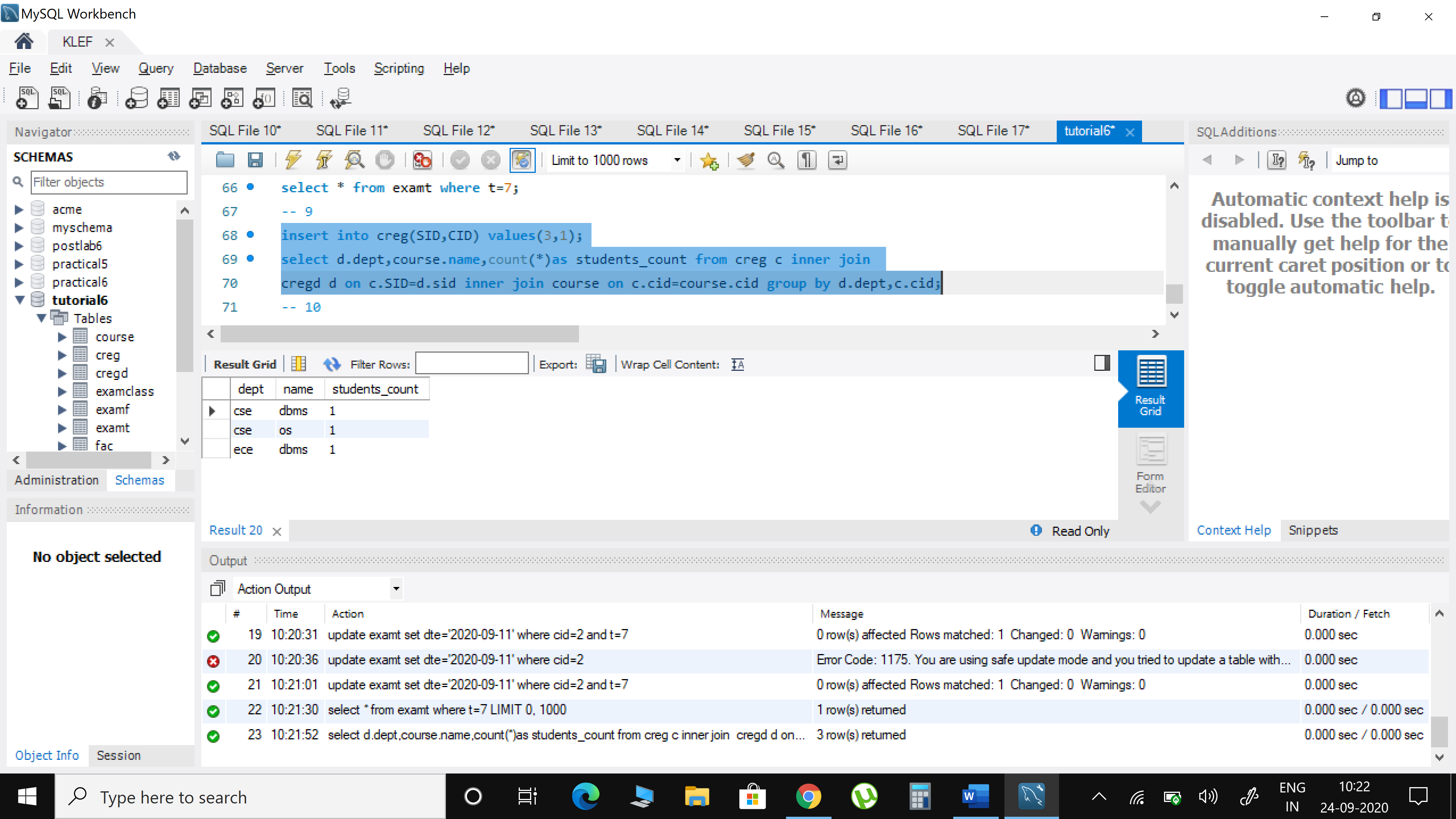
select \* from examt where t=7;



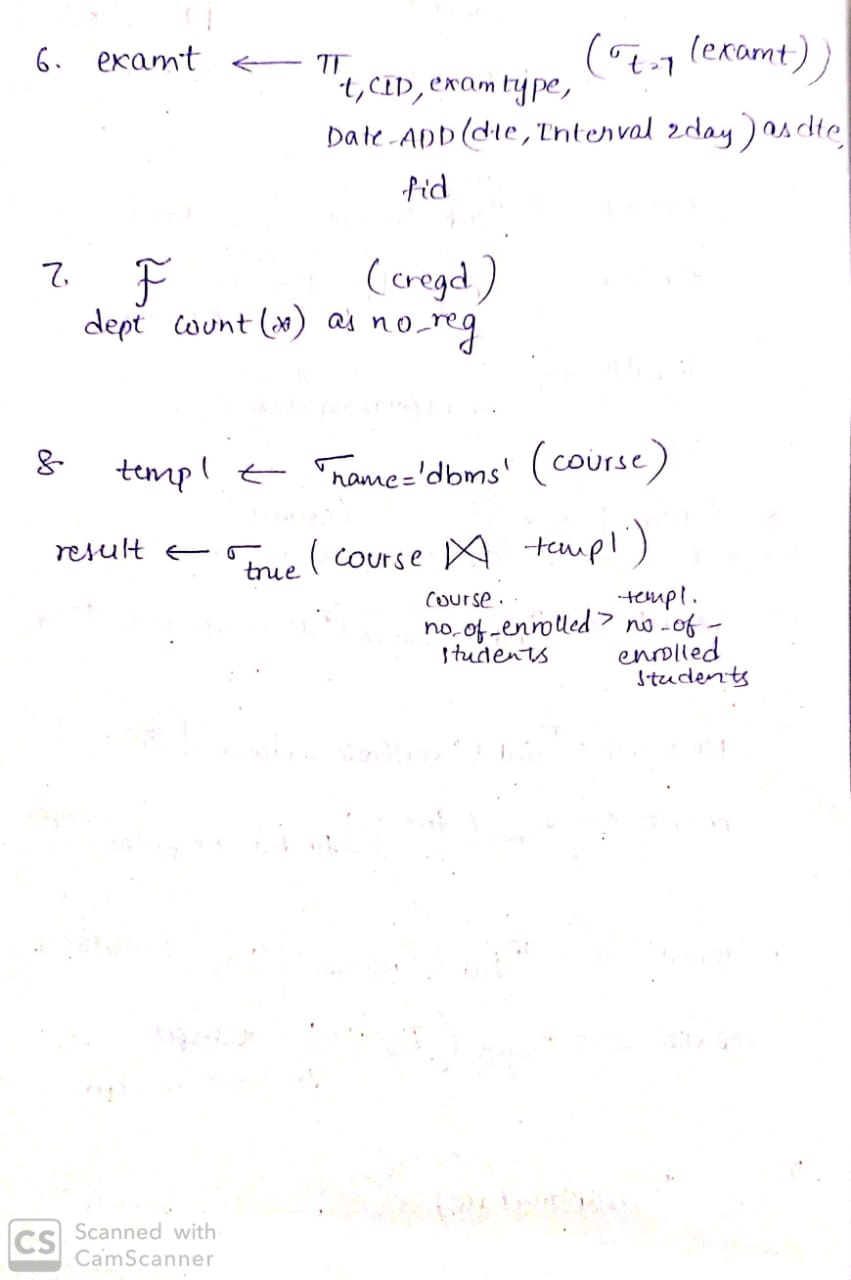
1. **Give the no. of students enrolled in each course department-wise**

****

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;



1. **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'));

