DBMS Lab

Assignment - 6

Dated: 15-03-2021

Sub Code: CSE-227

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Department of Computer Science and Engineering

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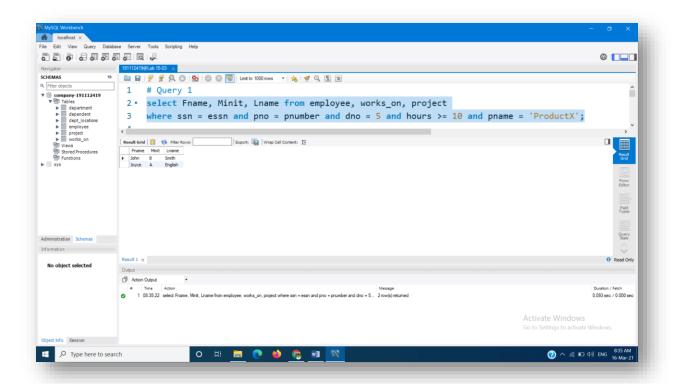
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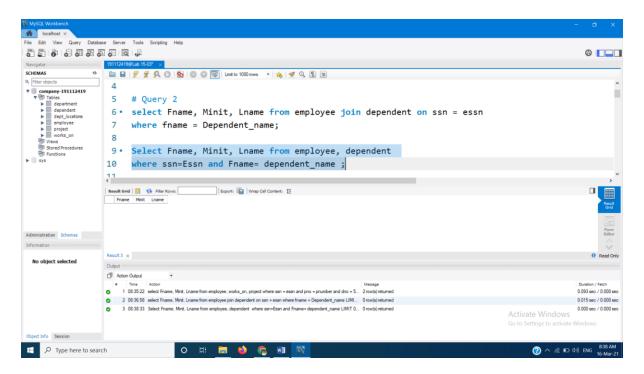
Query 1: Retrieve the names f all employee in dept. no. 5 who work for more than 10hrs./week on 'projectX' project.

select Fname, Minit, Lname from employee, works_on, project
where ssn = essn and pno = pnumber and dno = 5 and hours >= 10
and pname = 'ProductX';



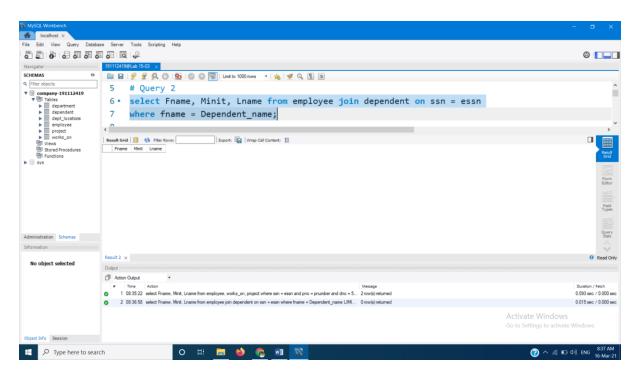
Query 2: List name of employee who have a dependent with same first name as themselves.

select Fname, Minit, Lname from employee join dependent on ssn = essn where fname = Dependent_name;



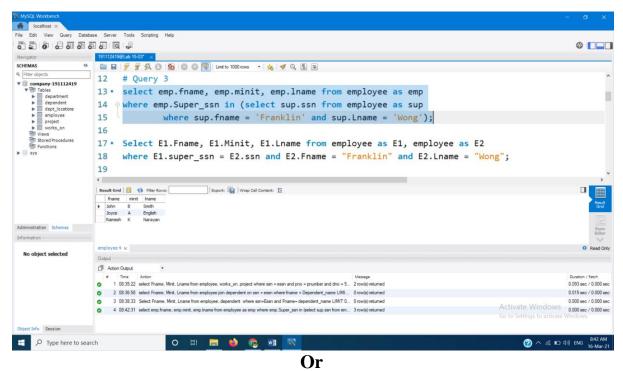
Or

select Fname, Minit, Lname from employee, dependent where ssn=Essn and Fname= dependent_name;

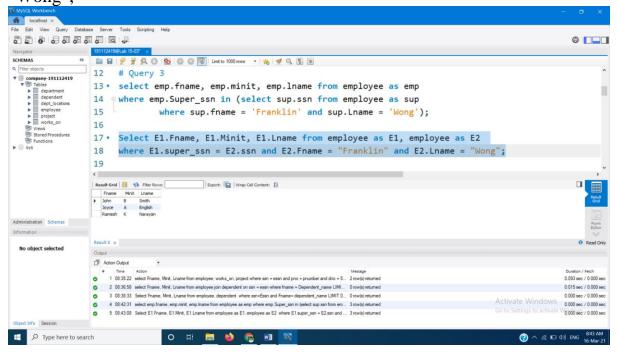


Query 3: Find name of employee who are directly supervised by 'Franklin Wong'.

select emp.fname, emp.minit, emp.lname from employee as emp where emp.Super_ssn in (select sup.ssn from employee as sup where sup.fname = 'Franklin' and sup.Lname = 'Wong');



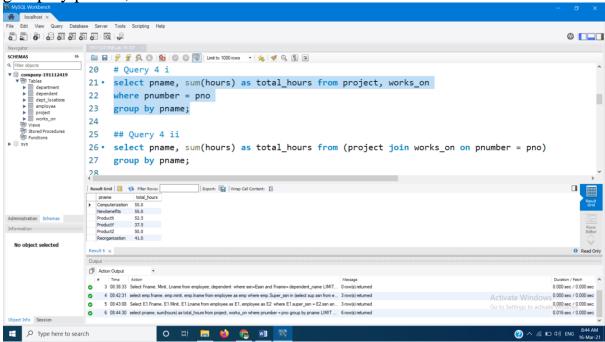
Select E1.Fname, E1.Minit, E1.Lname from employee as E1, employee as E2 where E1.super_ssn = E2.ssn and E2.Fname = "Franklin" and E2.Lname = "Wong";



Query 4: For each project, list project name, total no. of hours spent on that project per week by all the employee.

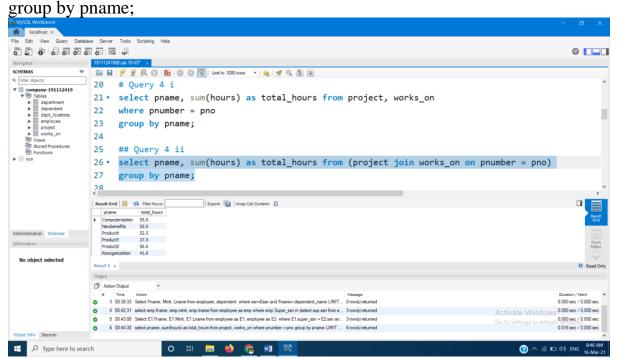
select pname, sum(hours) as total_hours from project, works_on where pnumber = pno

group by pname;



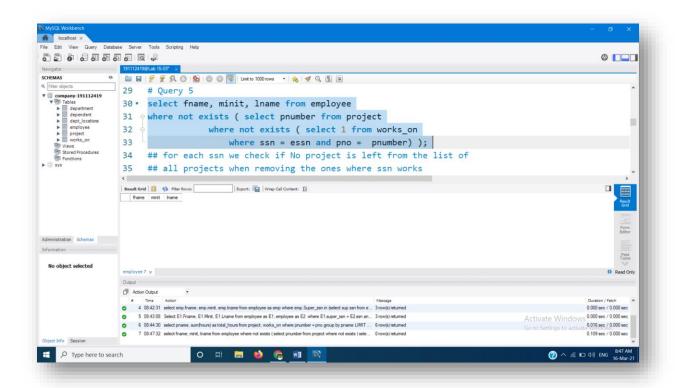
Or

select pname, sum(hours) as total_hours from (project join works_on on pnumber = pno)



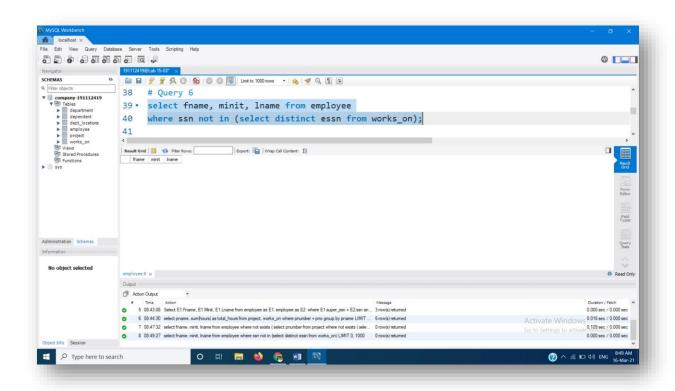
Query 5: Retrieve name of all employee who work on every project.

select fname, minit, lname from employee
where not exists (select pnumber from project
where not exists (select 1 from works_on
where ssn = essn and pno = pnumber));



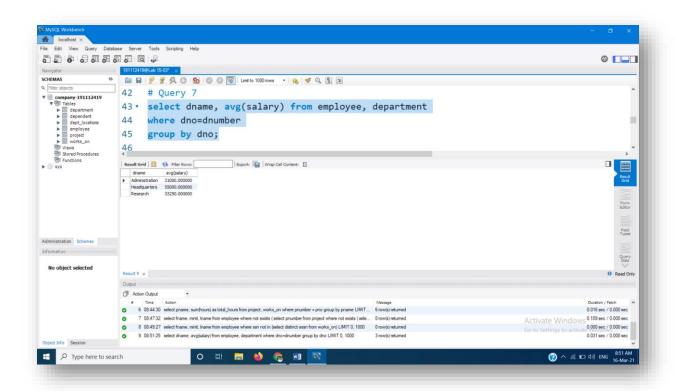
Query 6: Retrieve name of all employee who don't work on any project.

select fname, minit, lname from employee where ssn not in (select distinct essn from works_on);



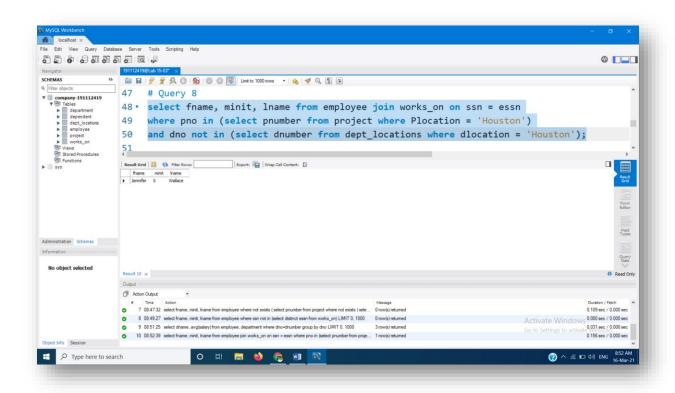
Query 7: Retrieve dept. name and avg. salary of employee.

select dname, avg(salary) from employee, department where dno=dnumber group by dno;



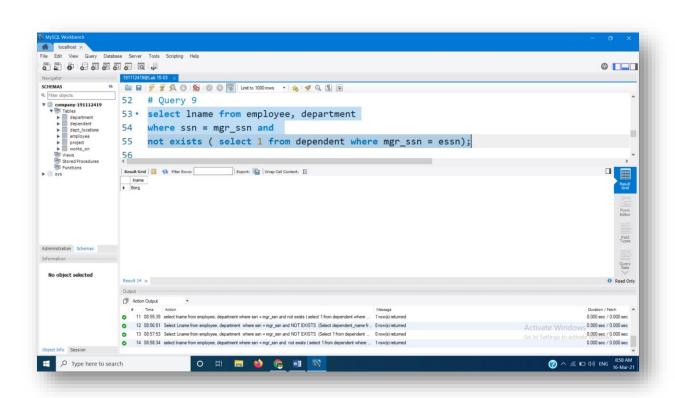
Query 8: Find name and add of all employee who work on at least one project location in Houston but whose dept. has no location in Houston.

select fname, minit, lname from employee join works_on on ssn = essn where pno in (select pnumber from project where Plocation = 'Houston') and dno not in (select dnumber from dept_locations where dlocation = 'Houston');



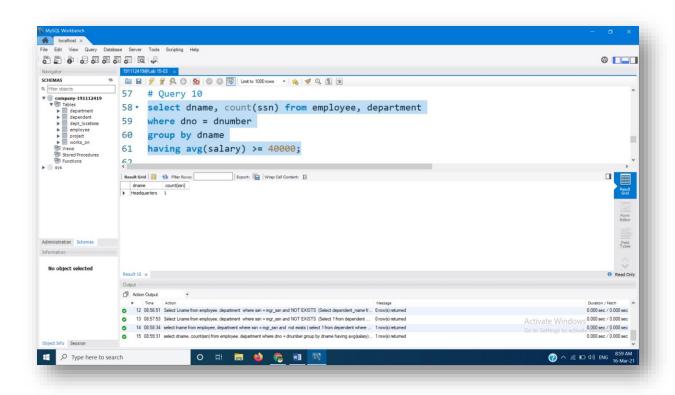
Query 9: List last name of all department managers who have no dependents.

select lname from employee, department where ssn = mgr_ssn and not exists (select 1 from dependent where mgr_ssn = essn);



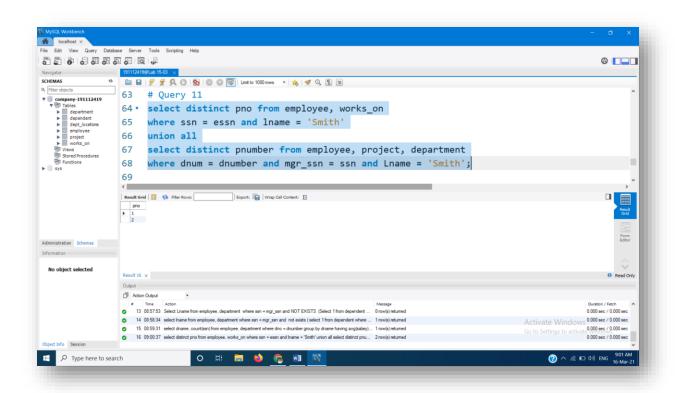
Query 10: For each dept. whose avg employee salary is more than 30000, Retrieve dept. name and no. of employee working in the department.

select dname, count(ssn) from employee, department where dno = dnumber group by dname having avg(salary) >= 40000;



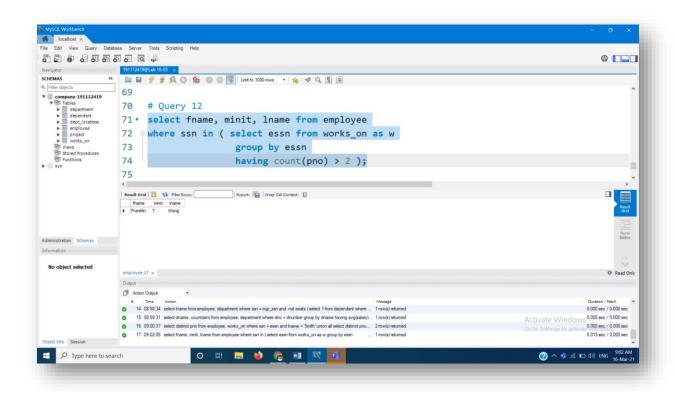
Query 11: Make list of project no. for projects that involve an employee whose LNAME IS 'smith' either as a worker or a manager of dept.that controls the project.

select distinct pno from employee, works_on
where ssn = essn and lname = 'Smith'
union all
select distinct pnumber from employee, project, department
where dnum = dnumber and mgr_ssn = ssn and Lname = 'Smith';



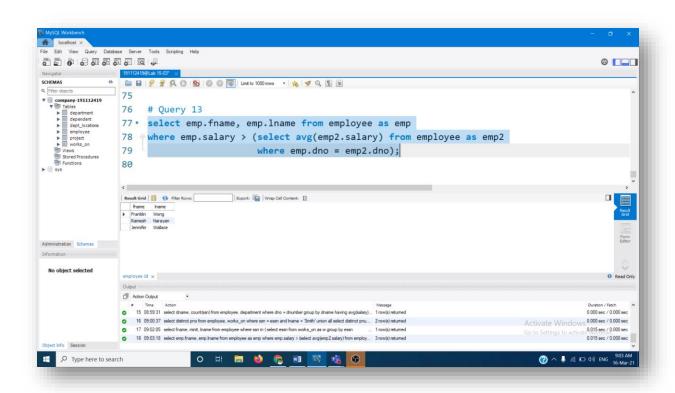
Query 12: Find the list of employee who work on more than two projecrts.

select fname, minit, lname from employee where ssn in (select essn from works_on as w group by essn having count(pno) > 2);



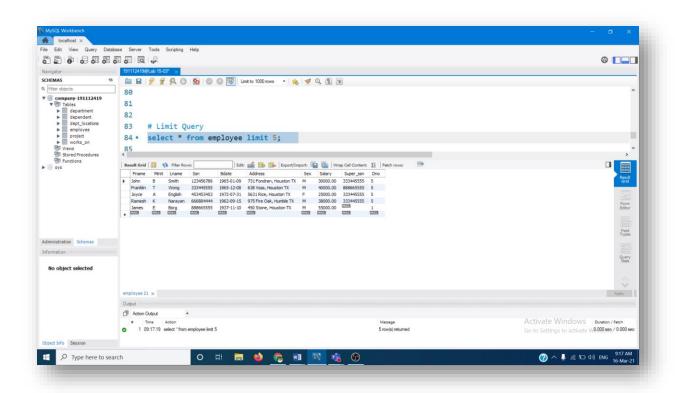
Query 13: Find employee whose salary > avg salary of his dept.

select emp.fname, emp.lname from employee as emp where emp.salary > (select avg(emp2.salary) from employee as emp2 where emp.dno = emp2.dno);

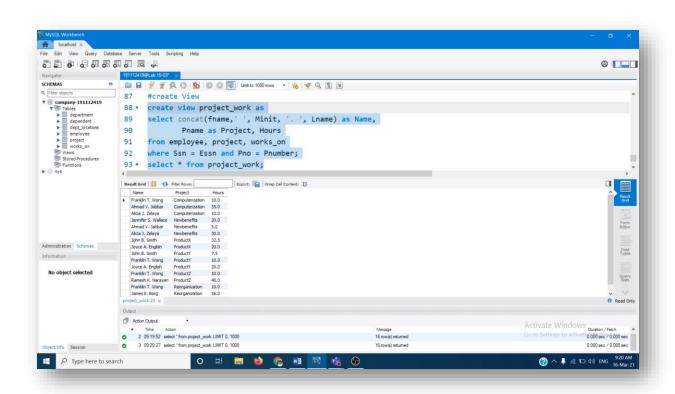


Limit Query

select * from employee limit 5;



Create View Query



Drop View Query

drop view project_work;

