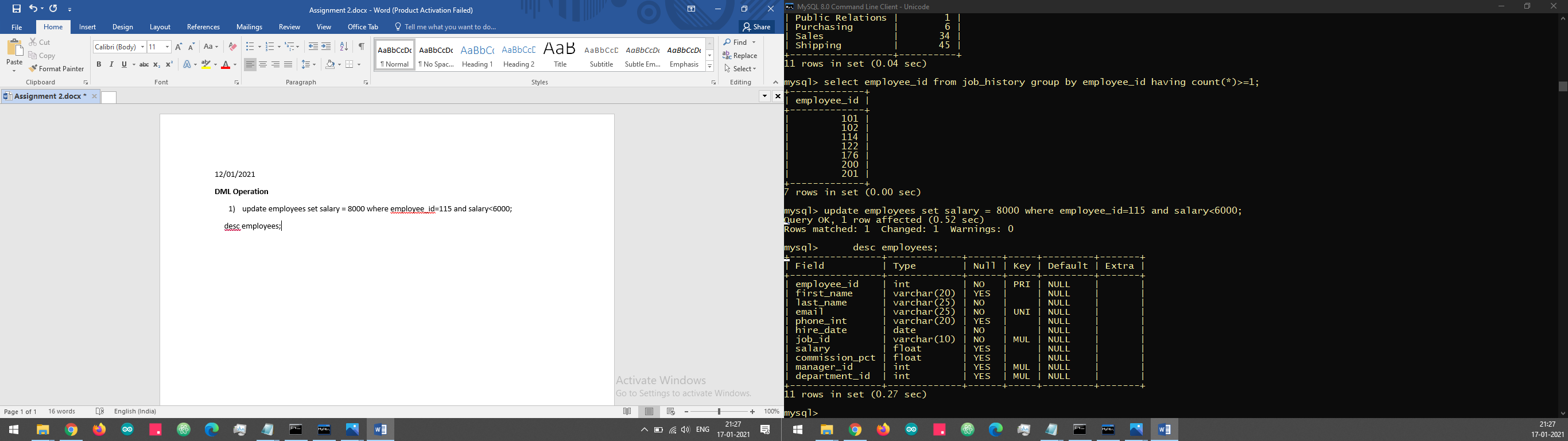
12/01/2021

**DML Operation**

1. update employees set salary = 8000 where employee\_id=115 and salary<6000; desc employees;

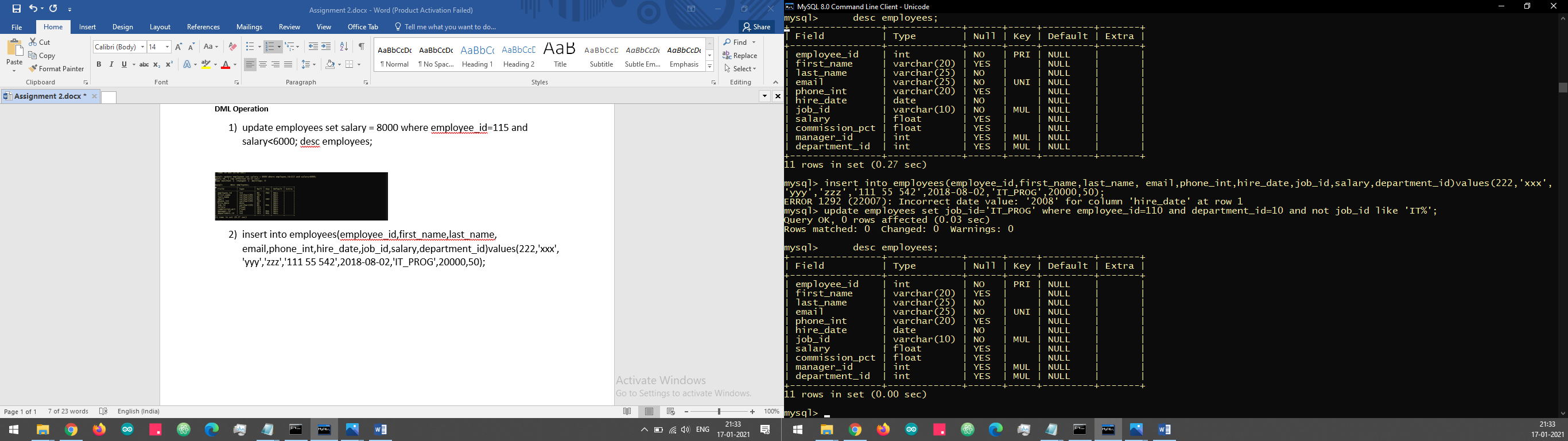


1. insert into employees(employee\_id,first\_name,last\_name, email,phone\_int,hire\_date,job\_id,salary,department\_id)values(222,'xxx','yyy','zzz','111 55 542',2018-08-02,'IT\_PROG',20000,50);

3)

4) update employees set job\_id='IT\_PROG' where employee\_id=110 and department\_id=10 and not job\_id like 'IT%';

desc employees;



5)

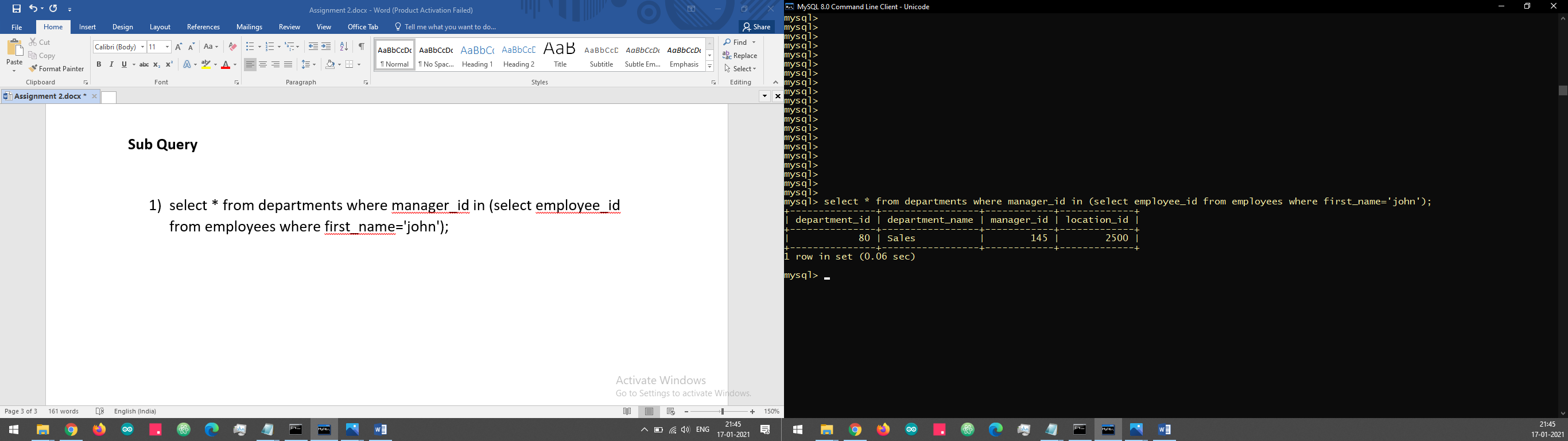
6) select employee\_id, job\_title, end\_date=start\_date days from job\_history natural join jobs where department\_id=30;

**DDL**

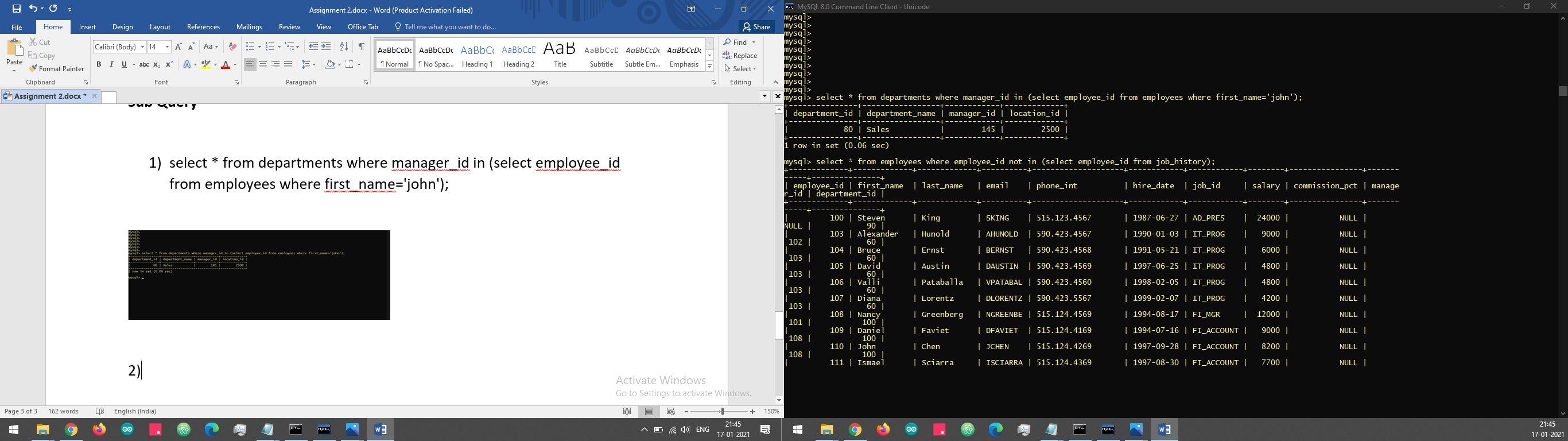
1. create table Customer(custid int,firstName varchar(20) not null,lastName varchar(20),age int,city varchar(20),mobileNumber int,dob date,constraint c\_pk primary key(custid),constraint a\_pk check(age>21),constraint p\_pk unique(mobileNumber));
2. create table Branch(branchId int,branchName varchar(20) not null,city varchar(20) not null,constraint b\_pk primary key(branchId));
3. Create table Account(accountNumber varchar(20),openingBalance int,typeOfAccount enum('savings','current'),status varchar(20),bankid int,constraint a\_pk primary key(accountNumber),constraint ob\_pk check(openingBalance>5000),constraint bi\_pk foreign key(bankid) references Branch(branchId));
4. Create table Account(accountNumber varchar(20),openingBalance int,typeOfAccount enum('savings','current'),status varchar(20),bankid int,constraint a\_pk primary key(accountNumber),constraint ob\_pk check(openingBalance>5000),constraint b\_pk foreign key(bankid) references Branch(branchId));
5. Create table Loan(LoanId int,loanAmount int,customerId int,bankid int,constraint li\_pk primary key(LoanId),constraint la\_pk check(loanAmount>=0),constraint bi\_pk foreign key(bankid) references Branch(branchId));

**Sub Query**

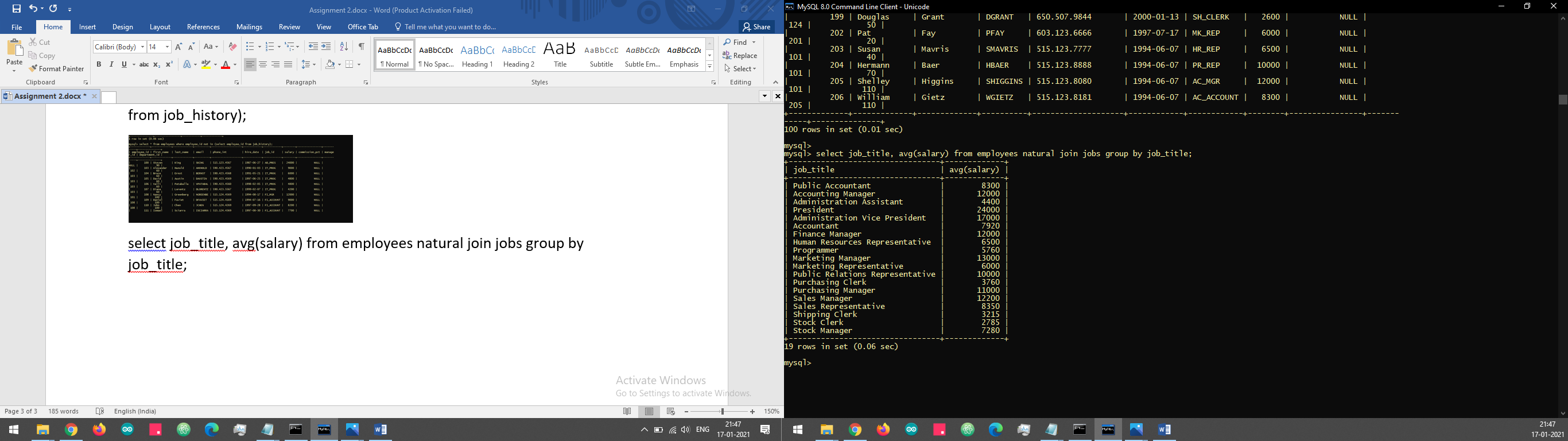
1. select \* from departments where manager\_id in (select employee\_id from employees where first\_name='john');



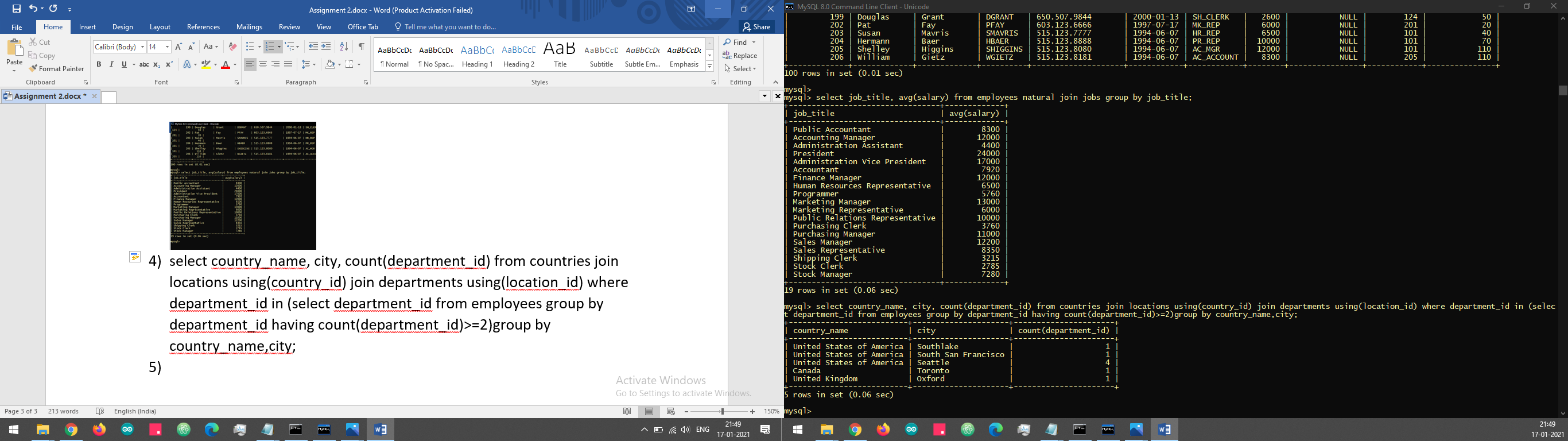
2) select \* from employees where employee\_id not in (select employee\_id from job\_history);



1. select job\_title, avg(salary) from employees natural join jobs group by job\_title;

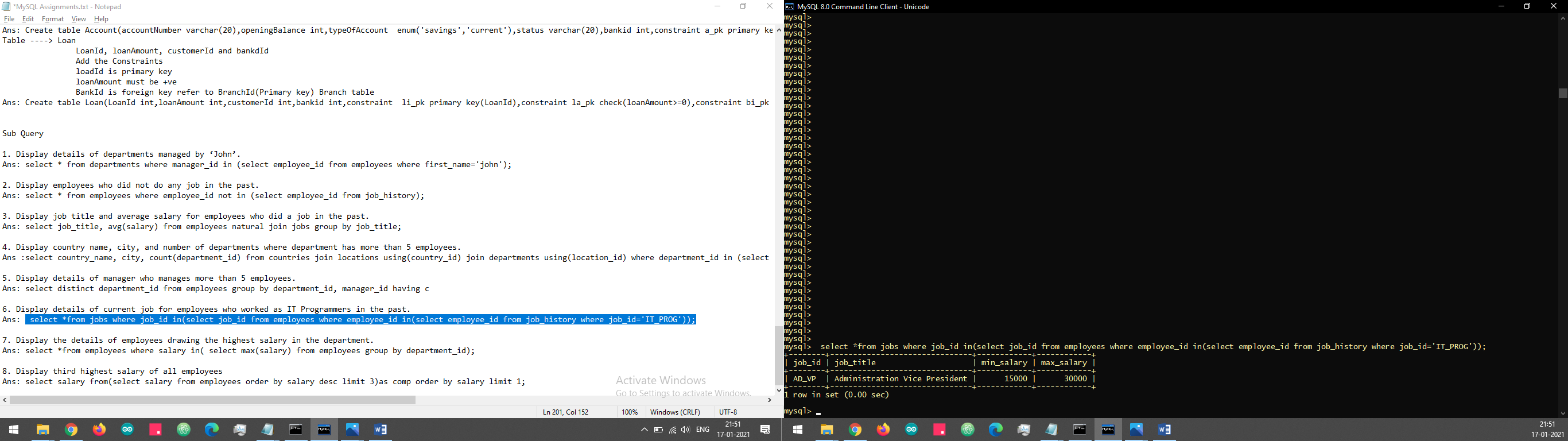


1. select country\_name, city, count(department\_id) from countries join locations using(country\_id) join departments using(location\_id) where department\_id in (select department\_id from employees group by department\_id having count(department\_id)>=2)group by country\_name,city;

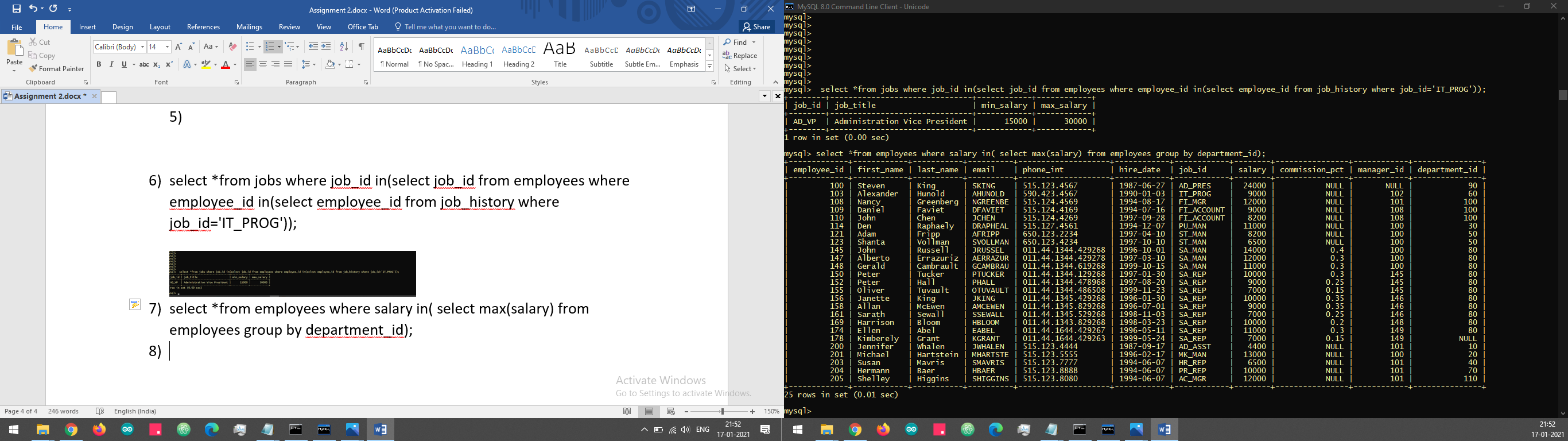


5)

1. select \*from jobs where job\_id in(select job\_id from employees where employee\_id in(select employee\_id from job\_history where job\_id='IT\_PROG'));



1. select \*from employees where salary in( select max(salary) from employees group by department\_id);



1. select salary from(select salary from employees order by salary desc limit 3)as comp order by salary limit 1;

