**Assignment 1**-

Full\_name --- First\_name and Last\_name

Salary --- Basic\_Salary

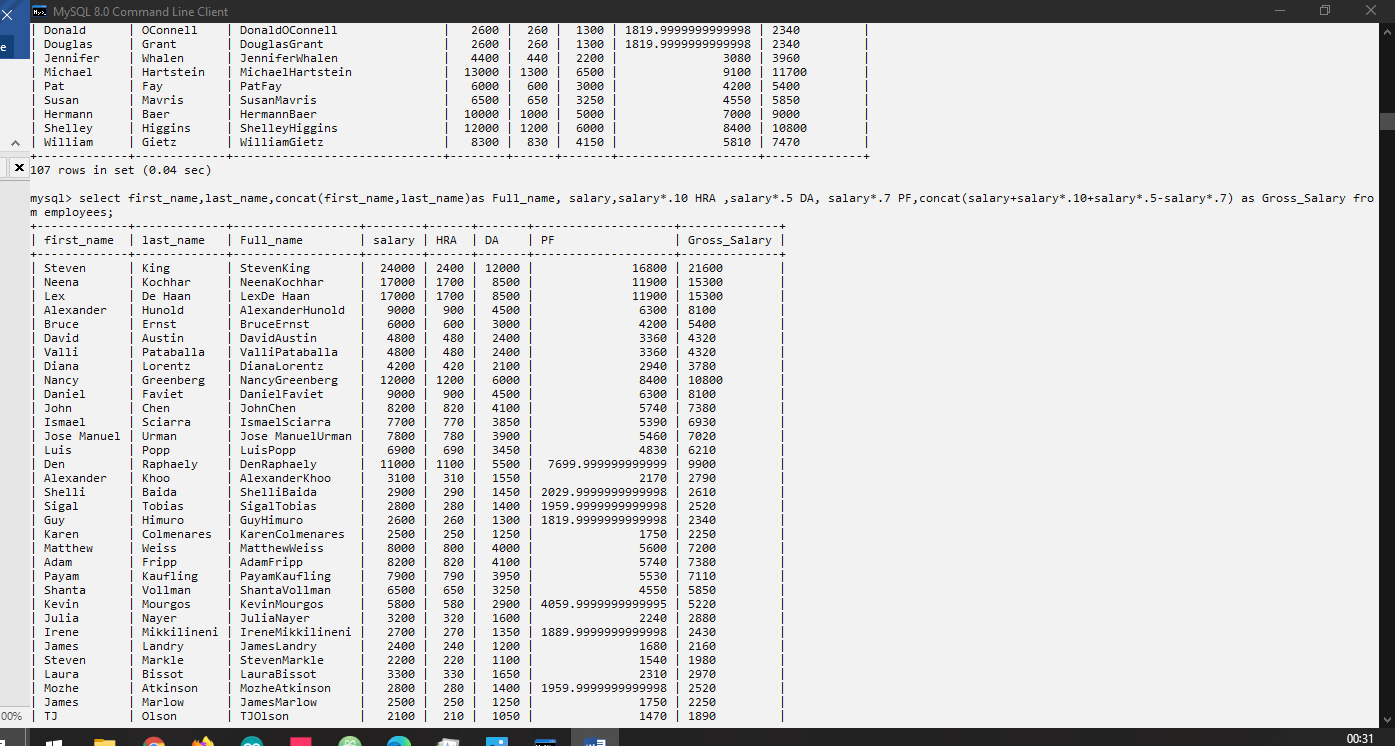
HRA –10%

DA – 5%

PF – 7%

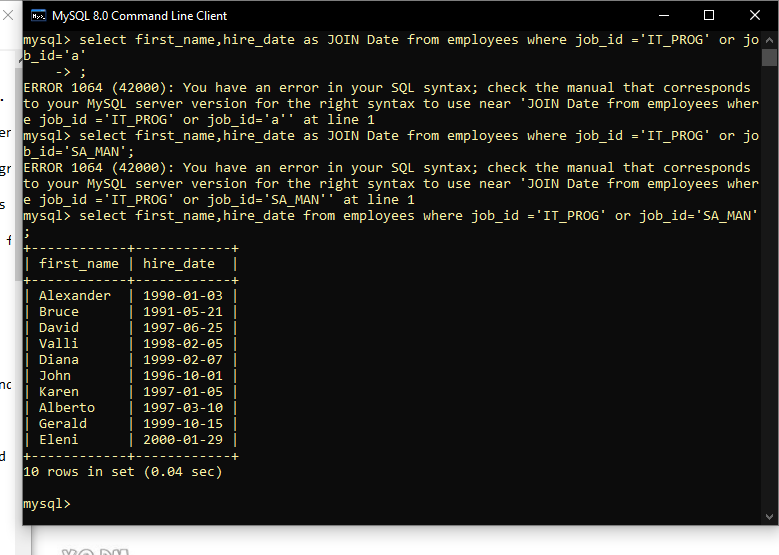
GrossSalary – Salary +HRA + DA – PF

1. select first\_name,last\_name,**concat**(first\_name,last\_name)as Full\_name, salary,salary\*.10 HRA ,salary\*.5 DA, salary\*.7 PF,**concat**(salary+salary\*.10+salary\*.5-salary\*.7) as Gross\_Salary from employees;
2. select first\_name,last\_name,concat(first\_name,last\_name)as Full\_name, salary,salary\*.10 HRA ,salary\*.5 DA, round(salary\*.7,2)as PF ,concat(salary+salary\*.10+salary\*.5-salary\*.7) as Gross\_Salary from employees;

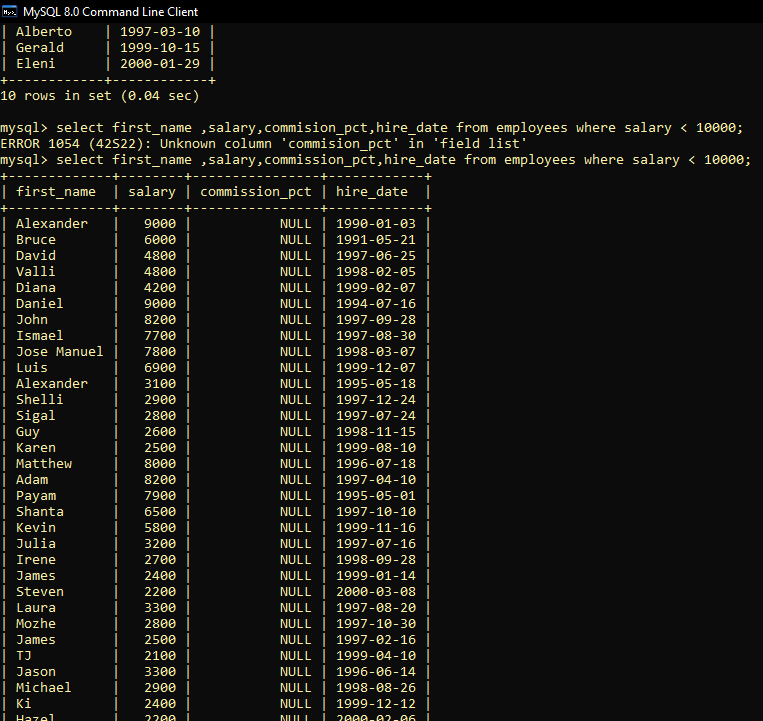


1)select \* from employees where salary >10000;

1. select first\_name,hire\_date from employees where job\_id ='IT\_PROG' or job\_id='SA\_MAN';

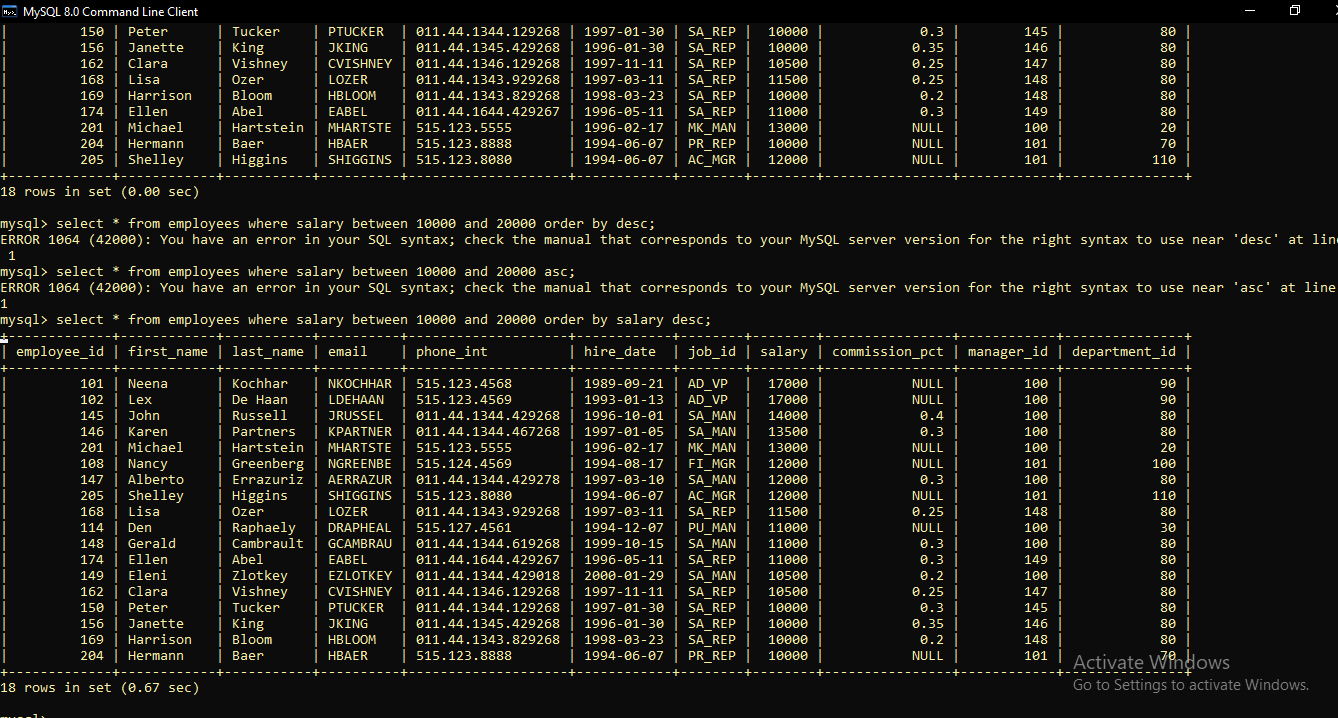


1. select first\_name ,salary,commission\_pct,hire\_date from employees where salary < 10000;

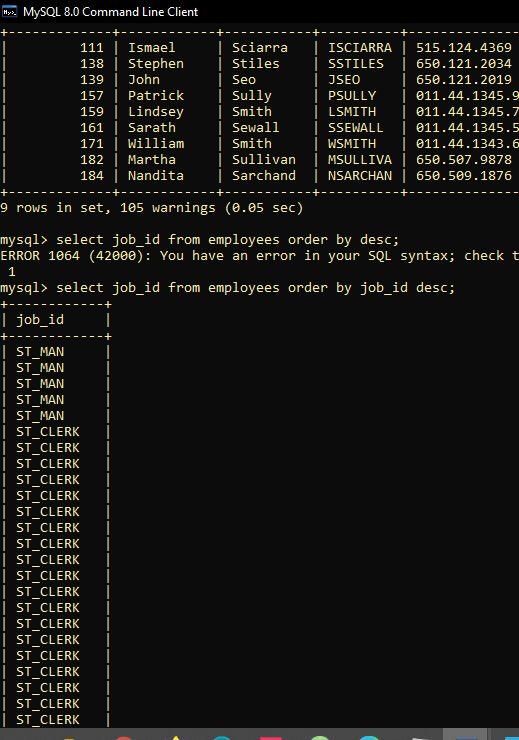


1. select first\_name, last\_name, hire\_date from employees where year(hire\_date) between 2002 and 2005 order by hire\_date;
2. select \* from employees where salary between 10000 and 20000 order by salary desc;

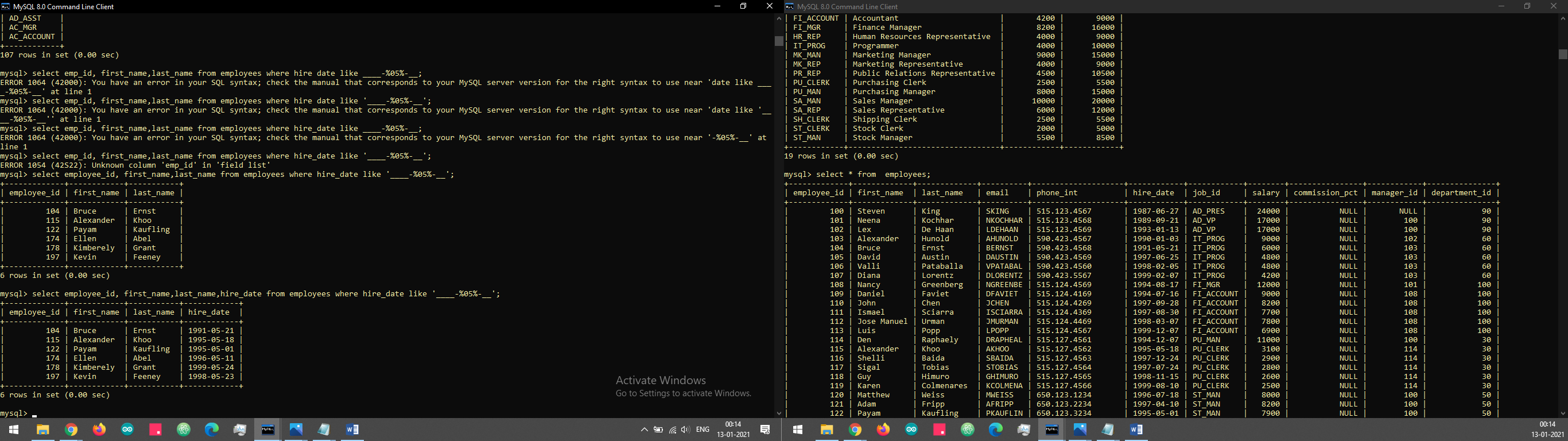
6) select \* from employees where first\_name or last\_name like 'S%';



1. select job\_id from employees order by job\_id desc;



1. select employee\_id, first\_name,last\_name,hire\_date from employees where hire\_date like '\_\_\_\_-%05%-\_\_';

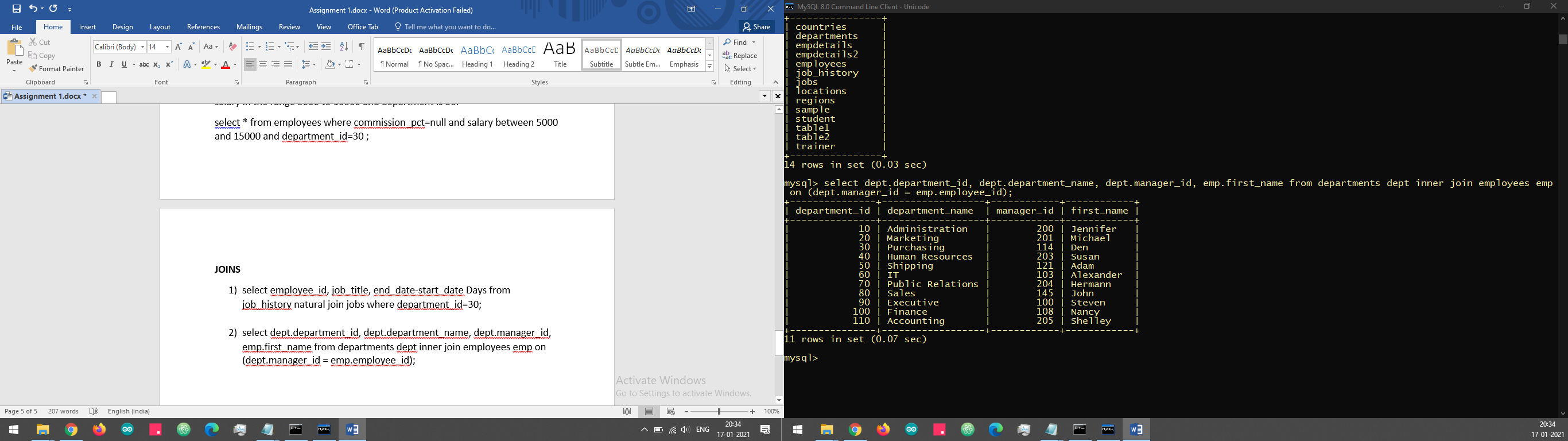


Display details of the employees where commission percentage is null and salary in the range 5000 to 10000 and department is 30.

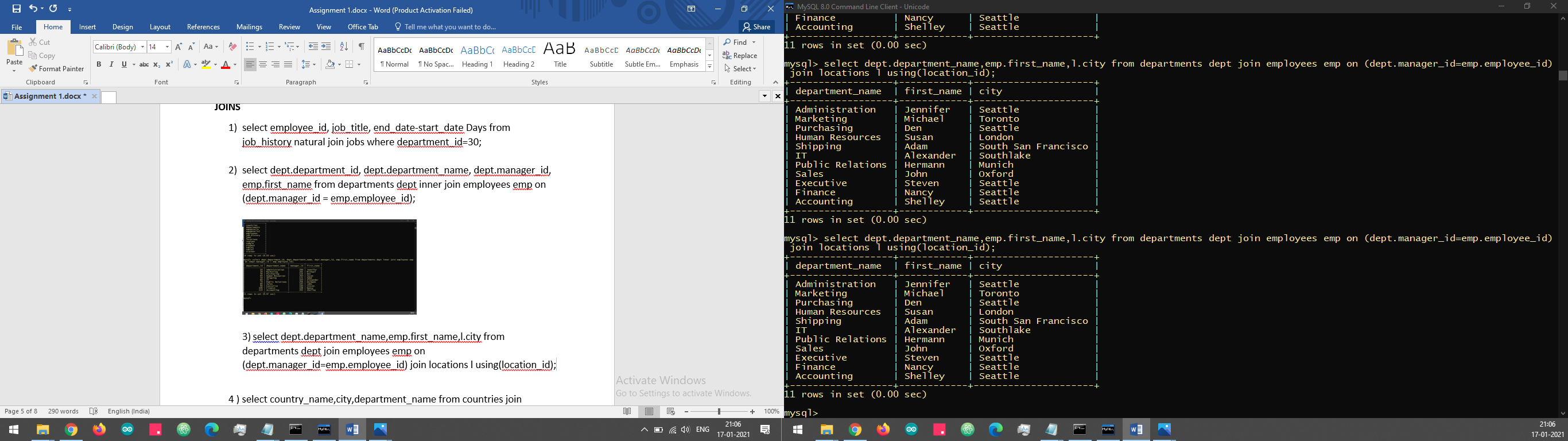
select \* from employees where commission\_pct=null and salary between 5000 and 15000 and department\_id=30 ;

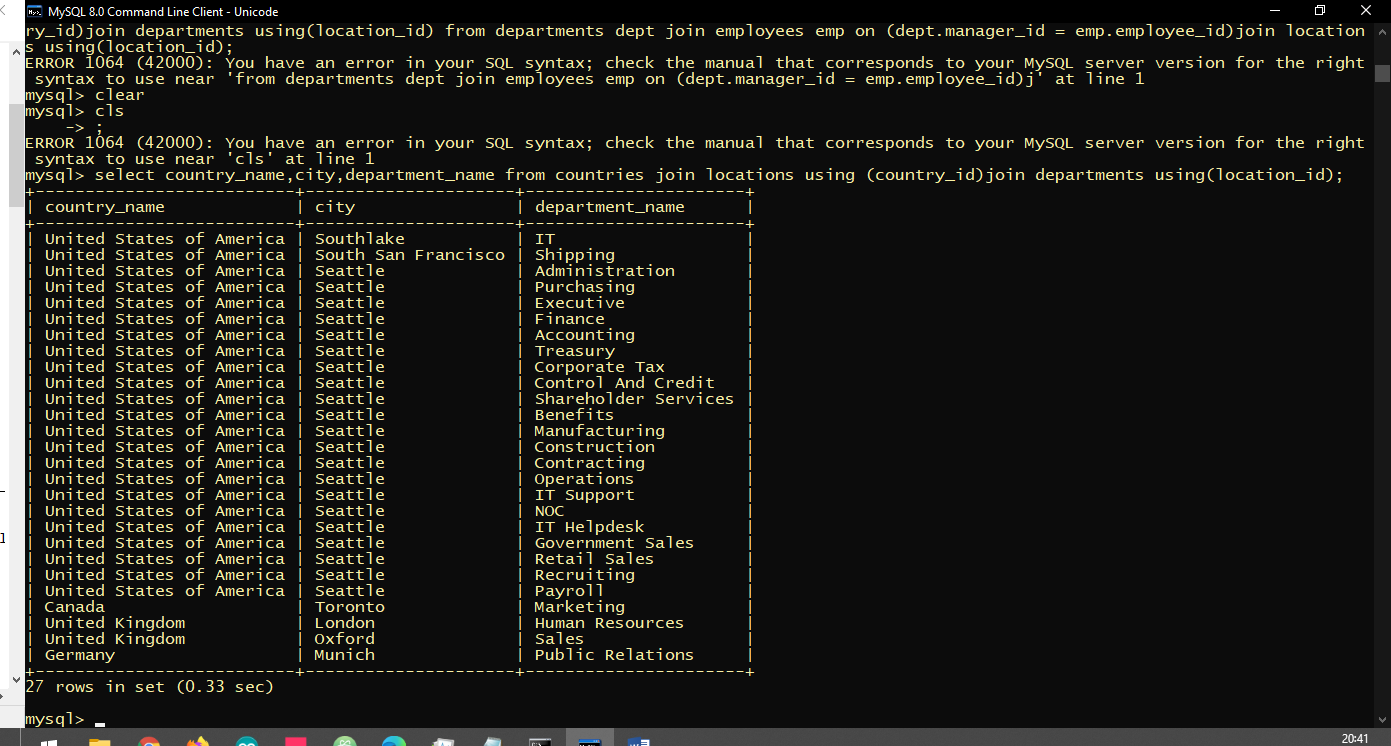
**JOINS**

1. select employee\_id, job\_title, end\_date-start\_date Days from job\_history natural join jobs where department\_id=30;
2. select dept.department\_id, dept.department\_name, dept.manager\_id, emp.first\_name from departments dept inner join employees emp on (dept.manager\_id = emp.employee\_id);

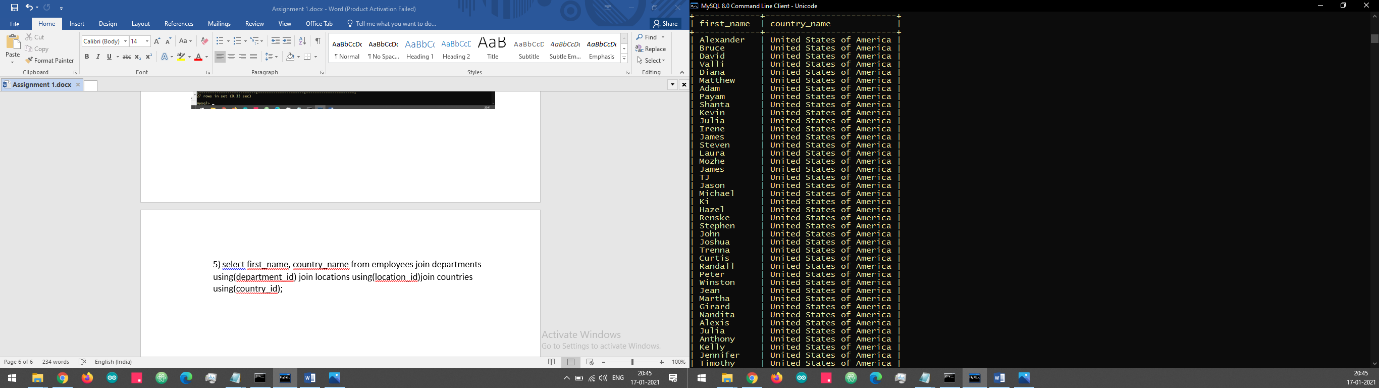


1. select dept.department\_name,emp.first\_name,l.city from departments dept join employees emp on (dept.manager\_id=emp.employee\_id) join locations l using(location\_id);



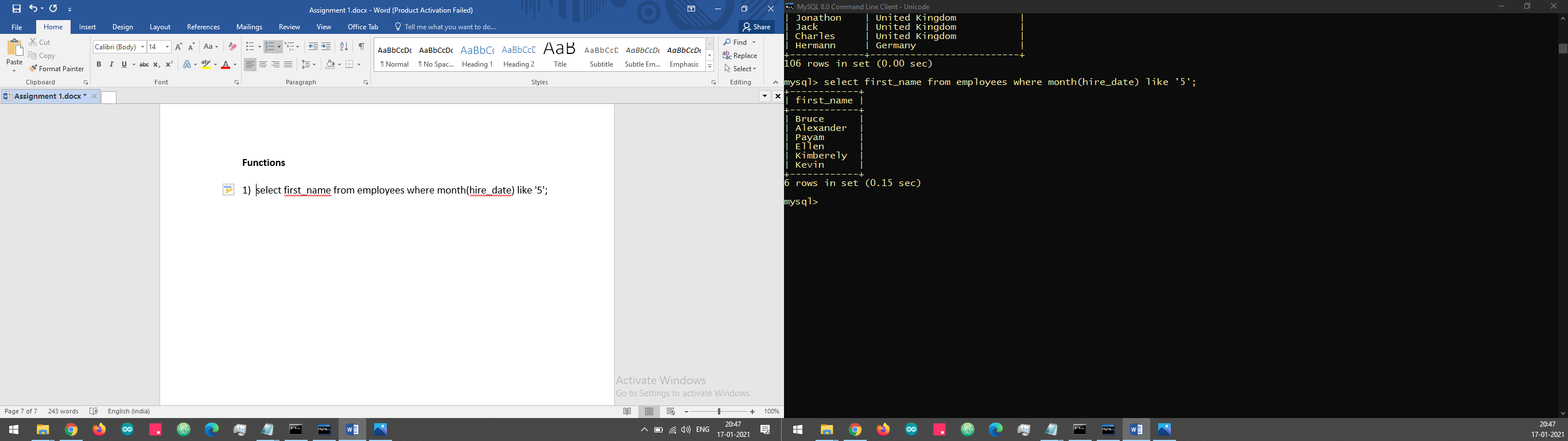
4 ) select country\_name,city,department\_name from countries join locations using (country\_id)join departments using(location\_id);

5)select first\_name, country\_name from employees join departments using(department\_id) join locations using(location\_id)join countries using(country\_id);

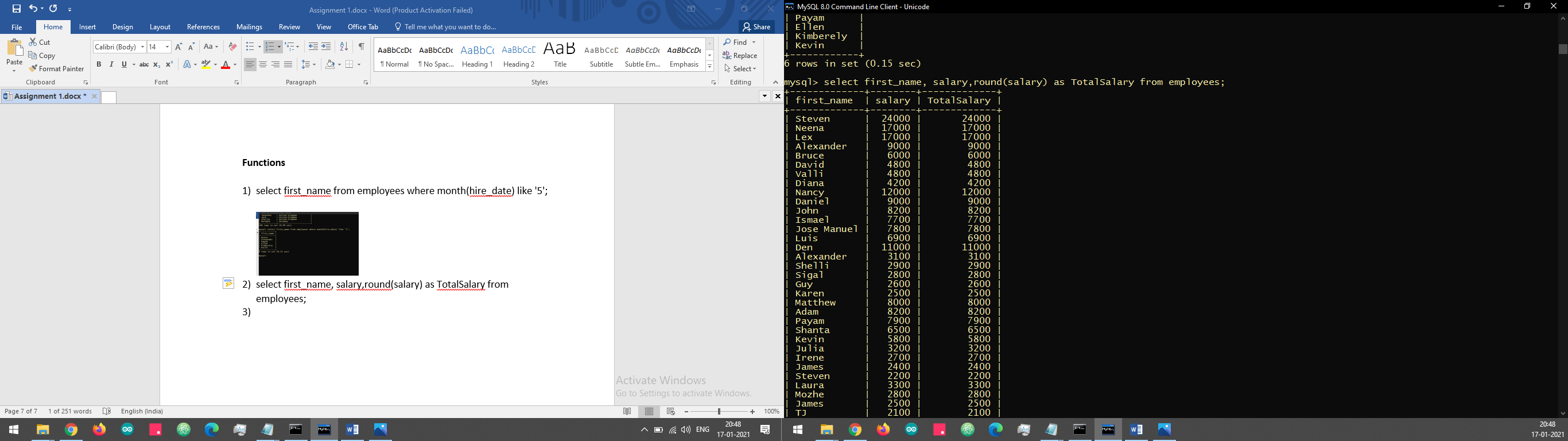


**Functions**

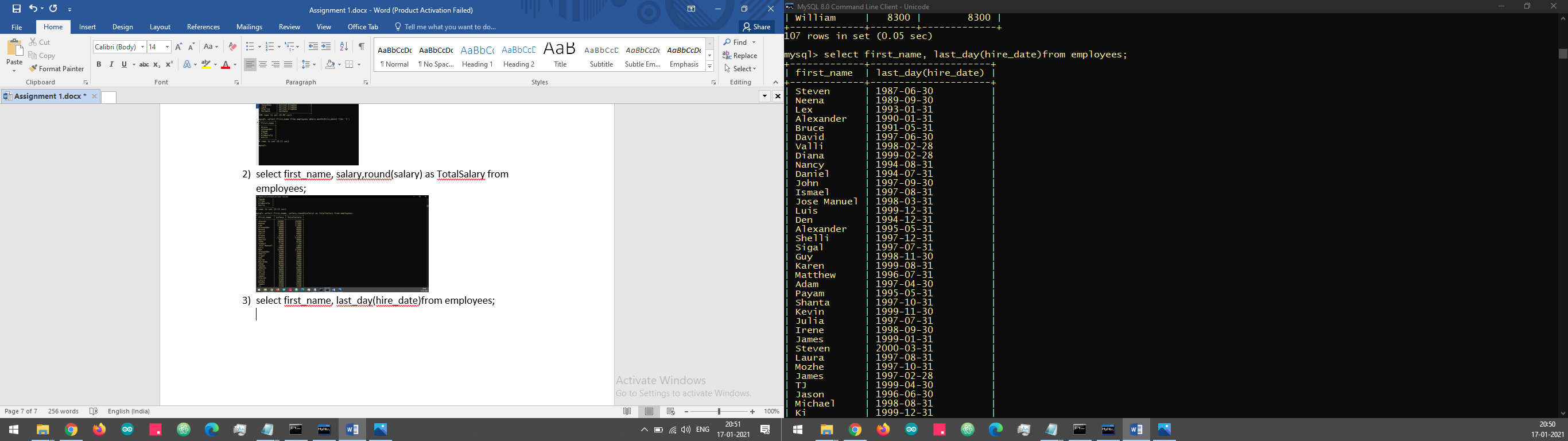
1. select first\_name from employees where month(hire\_date) like '5';



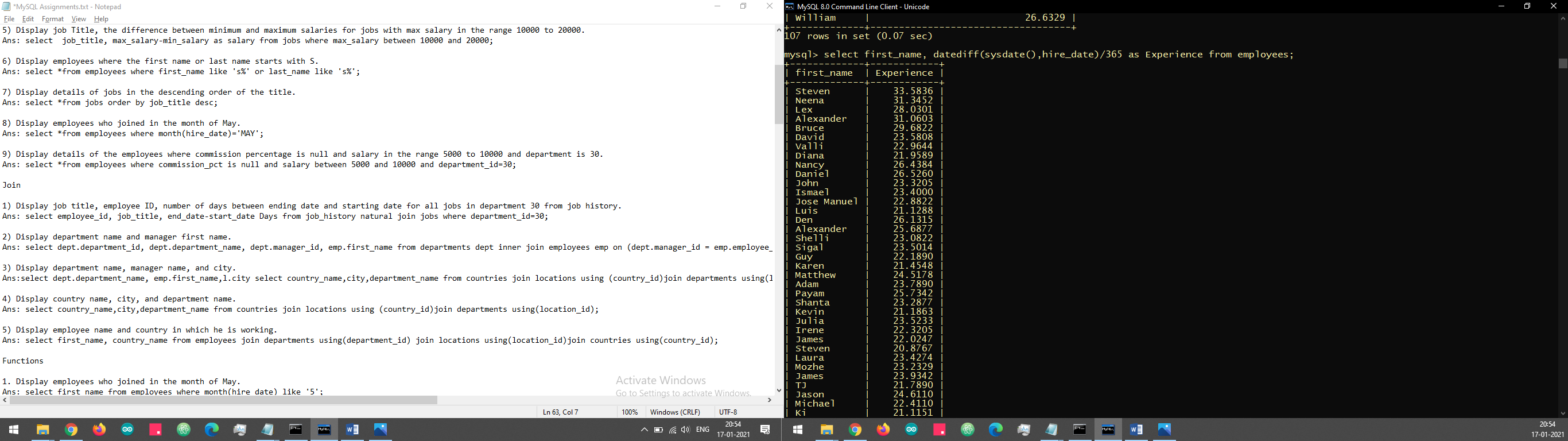
1. select first\_name, salary,round(salary) as TotalSalary from employees;



1. select first\_name, last\_day(hire\_date)from employees;



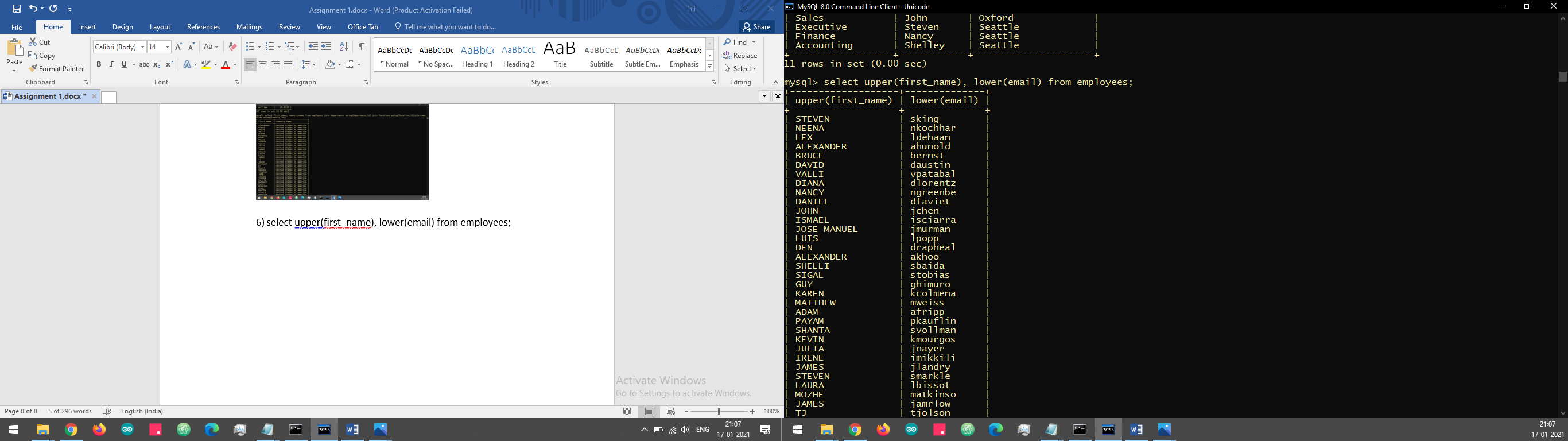
1. select first\_name, datediff(sysdate(),hire\_date)/365 from employees;



1. select first\_name, country\_name from employees join departments using(department\_id) join locations using(location\_id)join countries using(country\_id);



1. select upper(first\_name), lower(email) from employees;

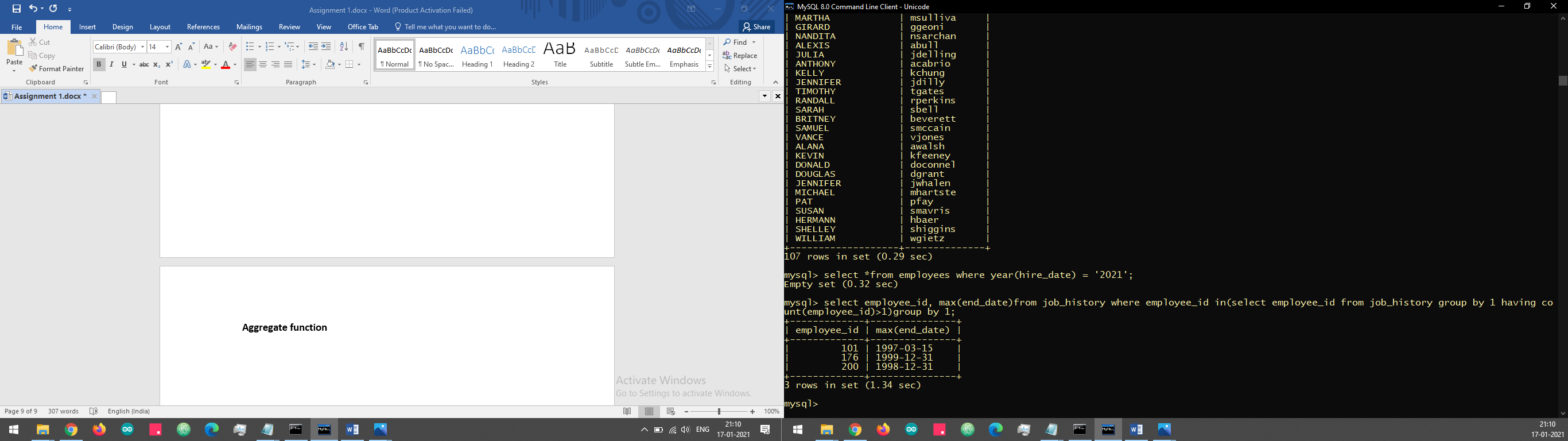


1. select \*from employees where year(hire\_date) = '2021';

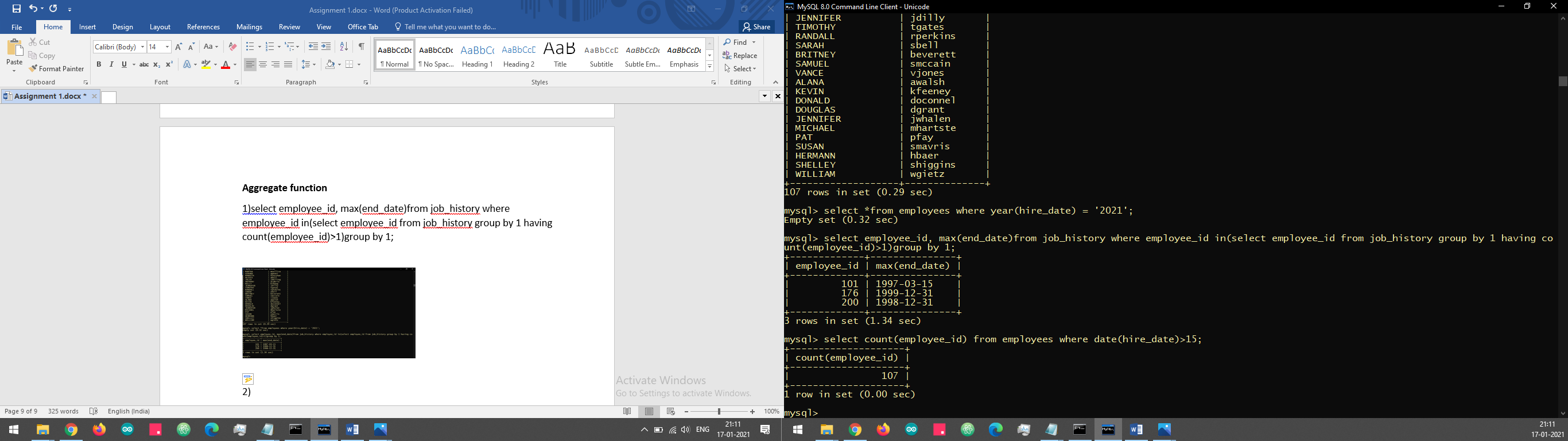
8)

**Aggregate function**

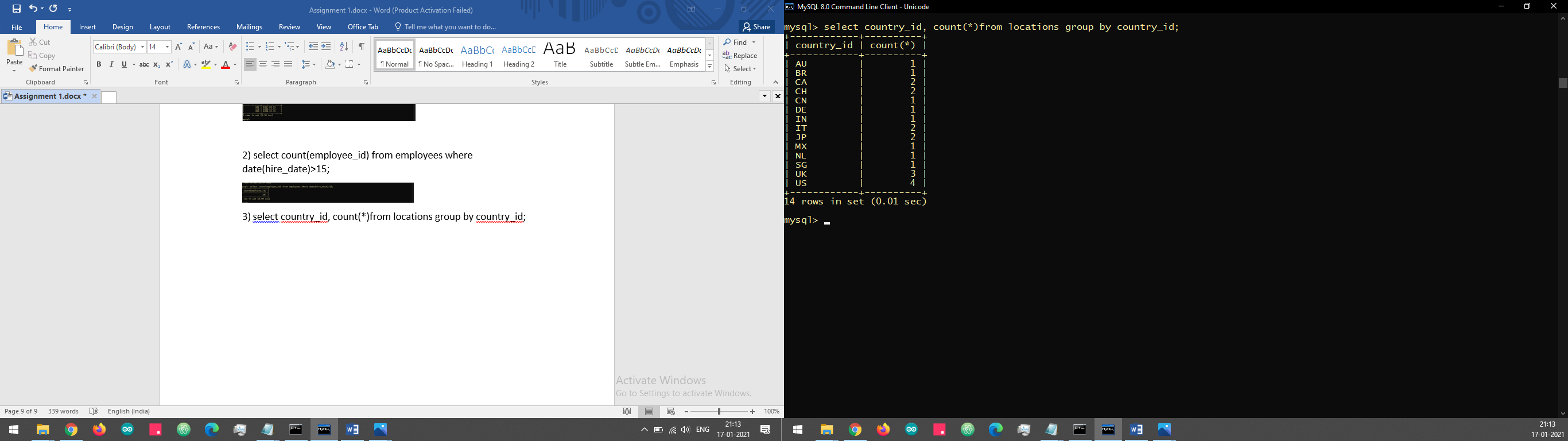
1)select employee\_id, max(end\_date)from job\_history where employee\_id in(select employee\_id from job\_history group by 1 having count(employee\_id)>1)group by 1;



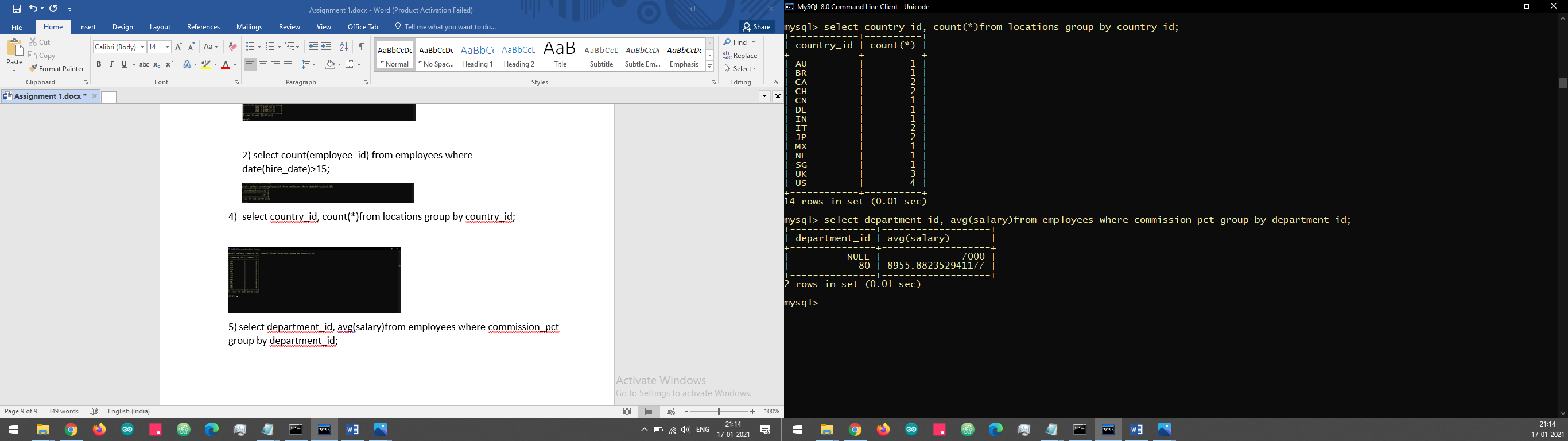
2) select count(employee\_id) from employees where date(hire\_date)>15;



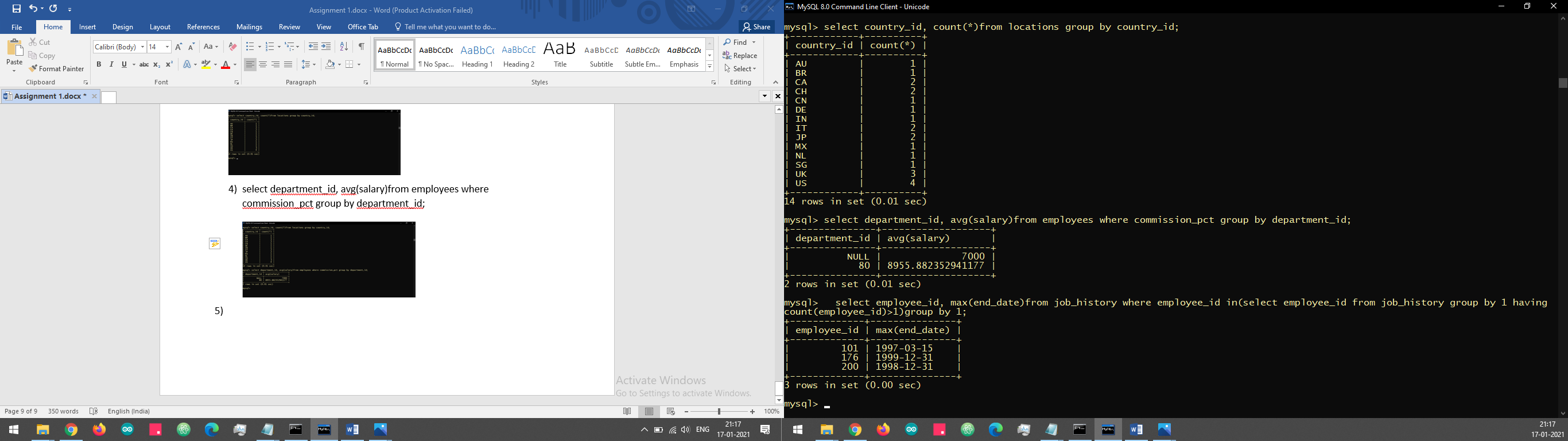
1. select country\_id, count(\*)from locations group by country\_id;



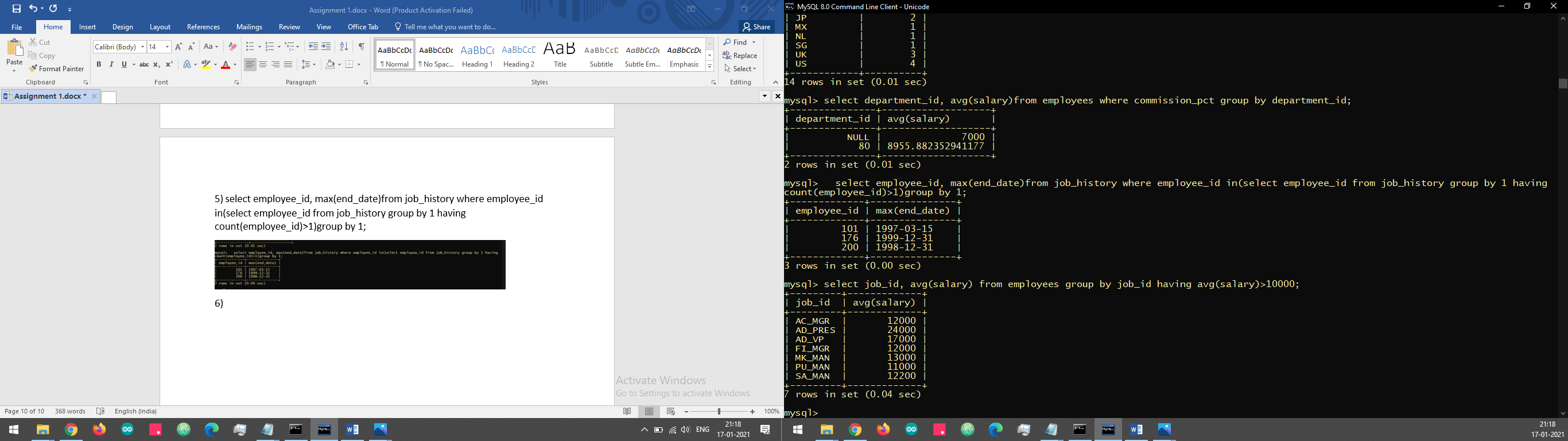
1. select department\_id, avg(salary)from employees where commission\_pct group by department\_id;



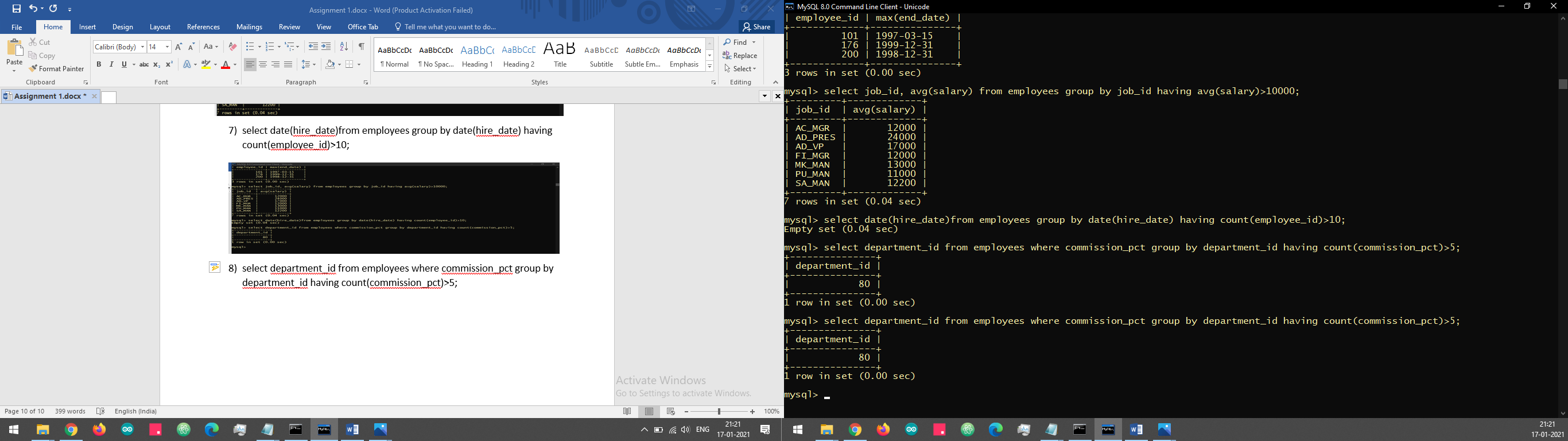
5) select employee\_id, max(end\_date)from job\_history where employee\_id in(select employee\_id from job\_history group by 1 having count(employee\_id)>1)group by 1;



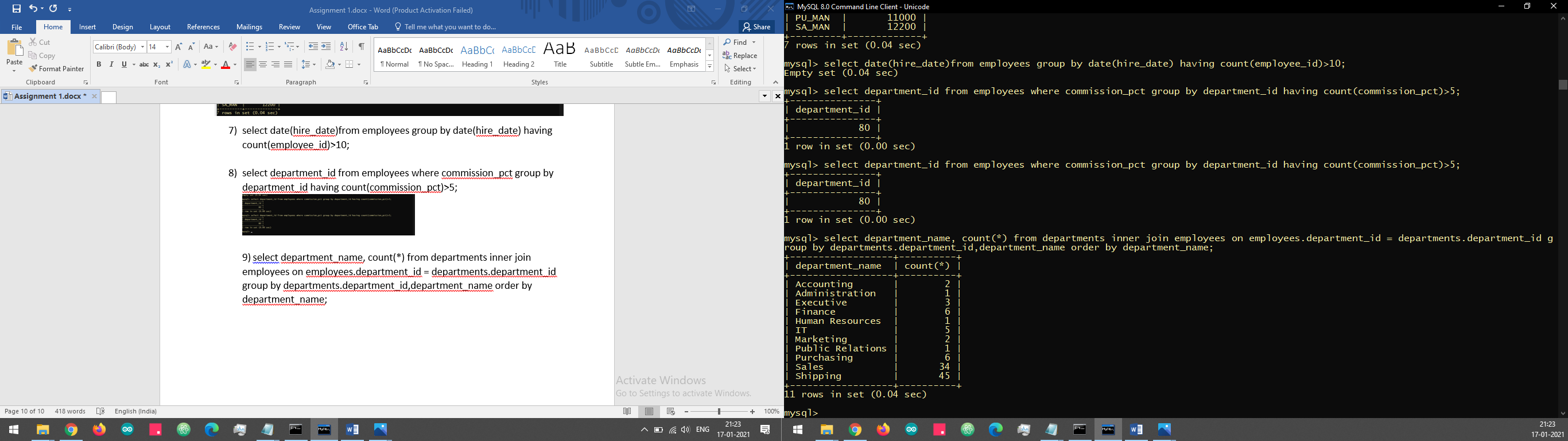
1. select job\_id, avg(salary) from employees group by job\_id having avg(salary)>10000;



1. select date(hire\_date)from employees group by date(hire\_date) having count(employee\_id)>10;
2. select department\_id from employees where commission\_pct group by department\_id having count(commission\_pct)>5;



1. select department\_name, count(\*) from departments inner join employees on employees.department\_id = departments.department\_id group by departments.department\_id,department\_name order by department\_name;



1. select employee\_id from job\_history group by employee\_id having count(\*)>=1;

