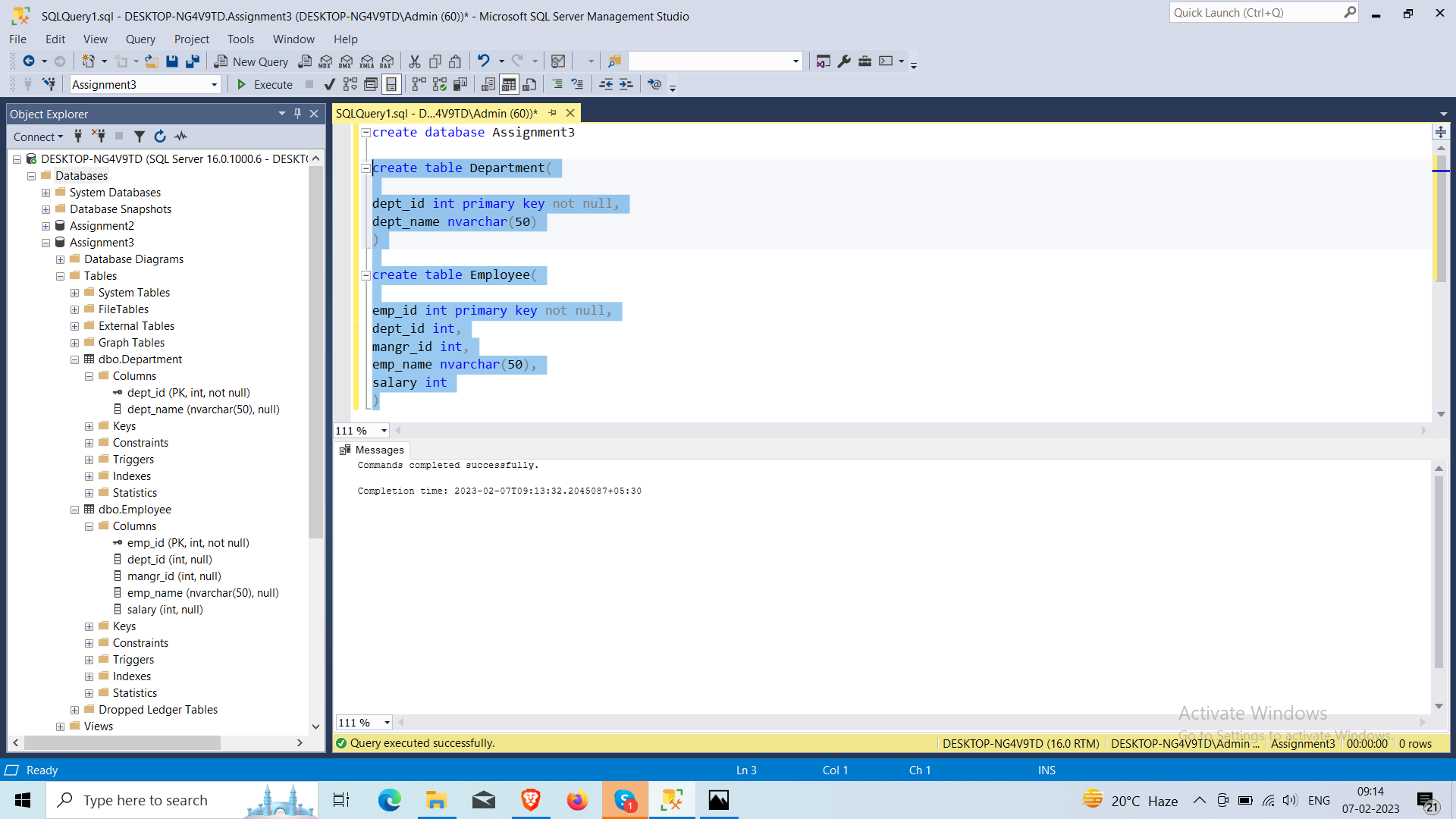
**Assignment 3 : Retrieve data using Group By clause**

**Sample table1:Department**

-dept\_id

-dept\_name



**Sample table2: Employee**

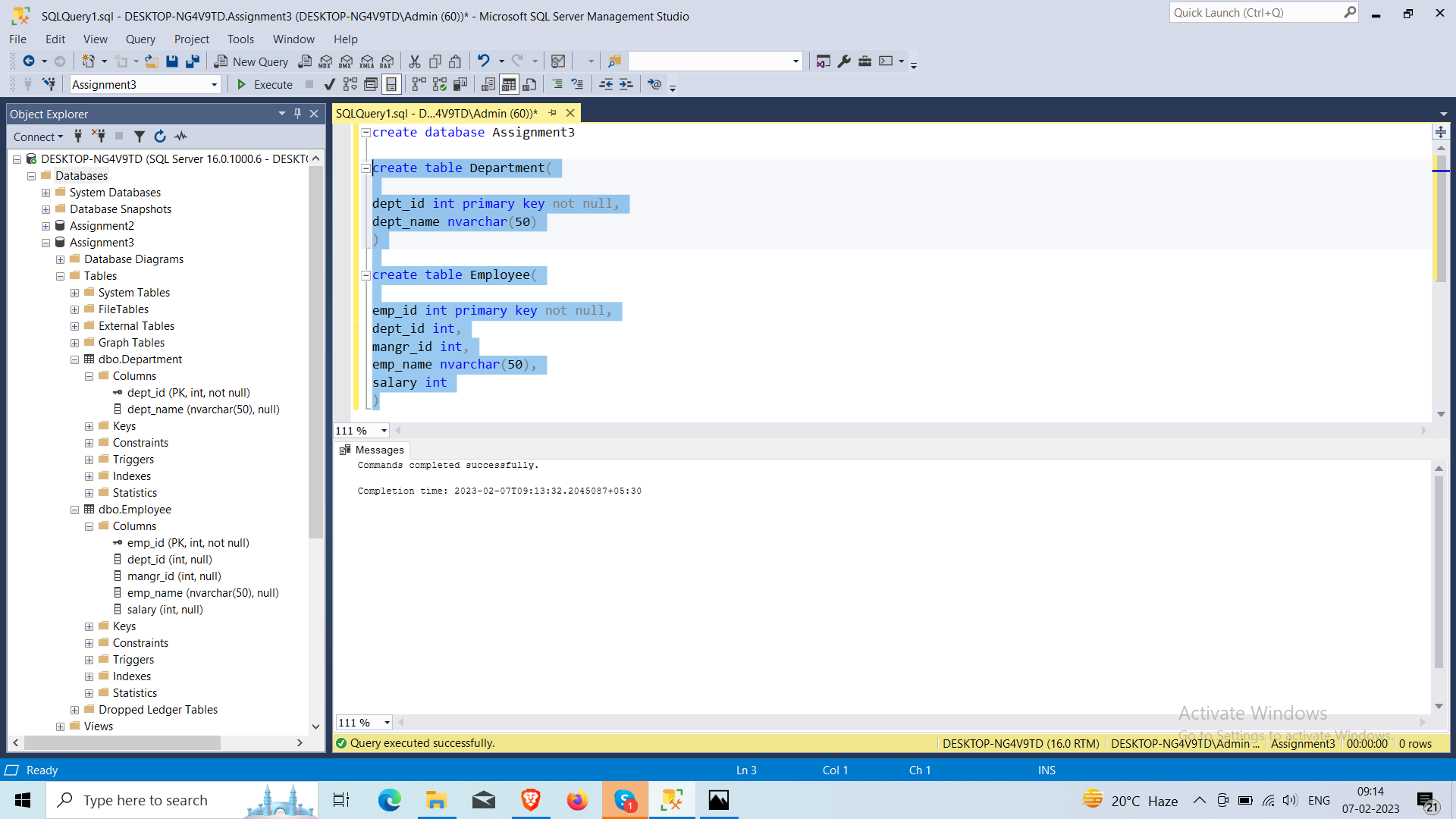
-emp\_id

-dept\_id

-mngr\_id

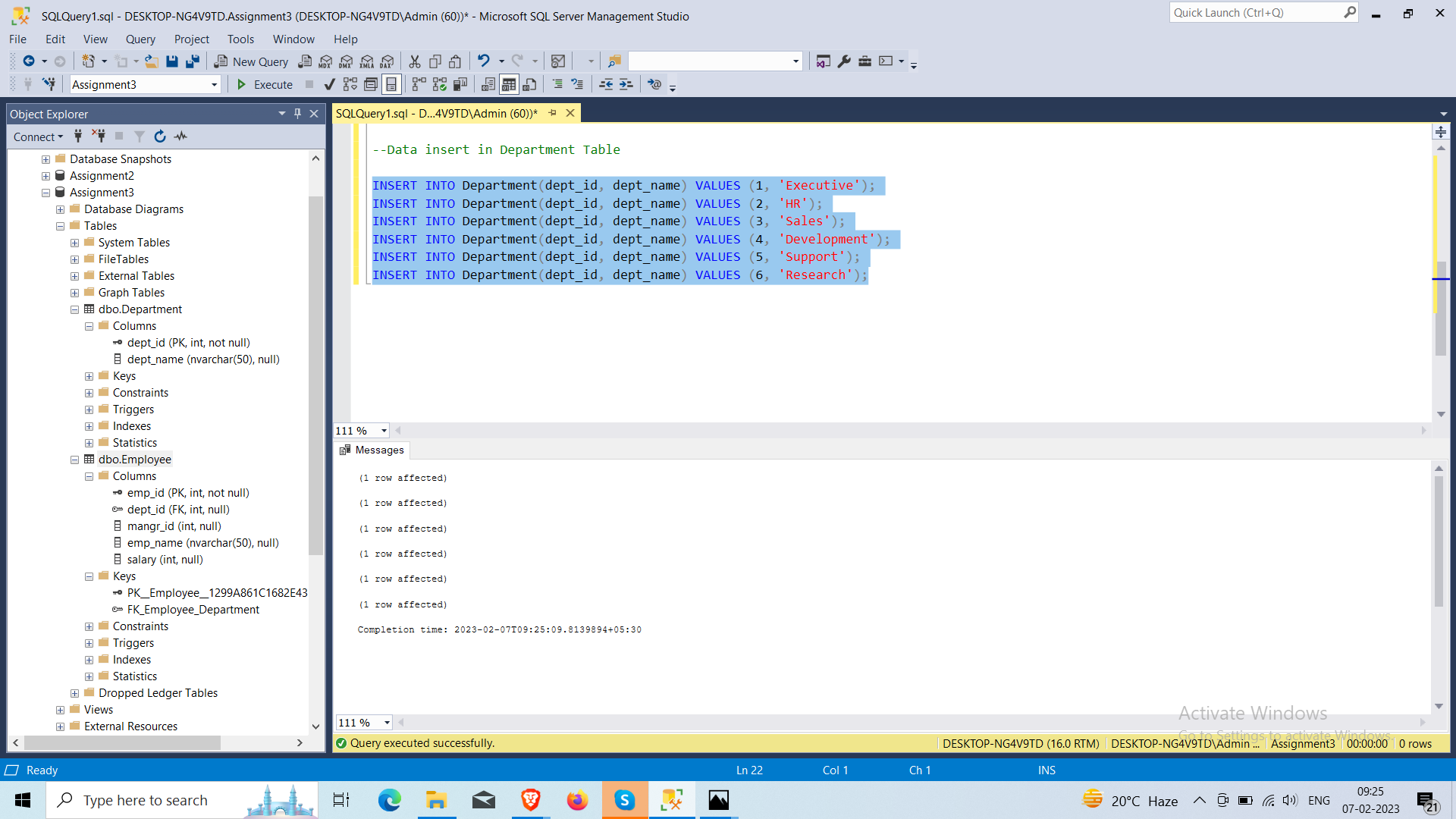
-emp\_name

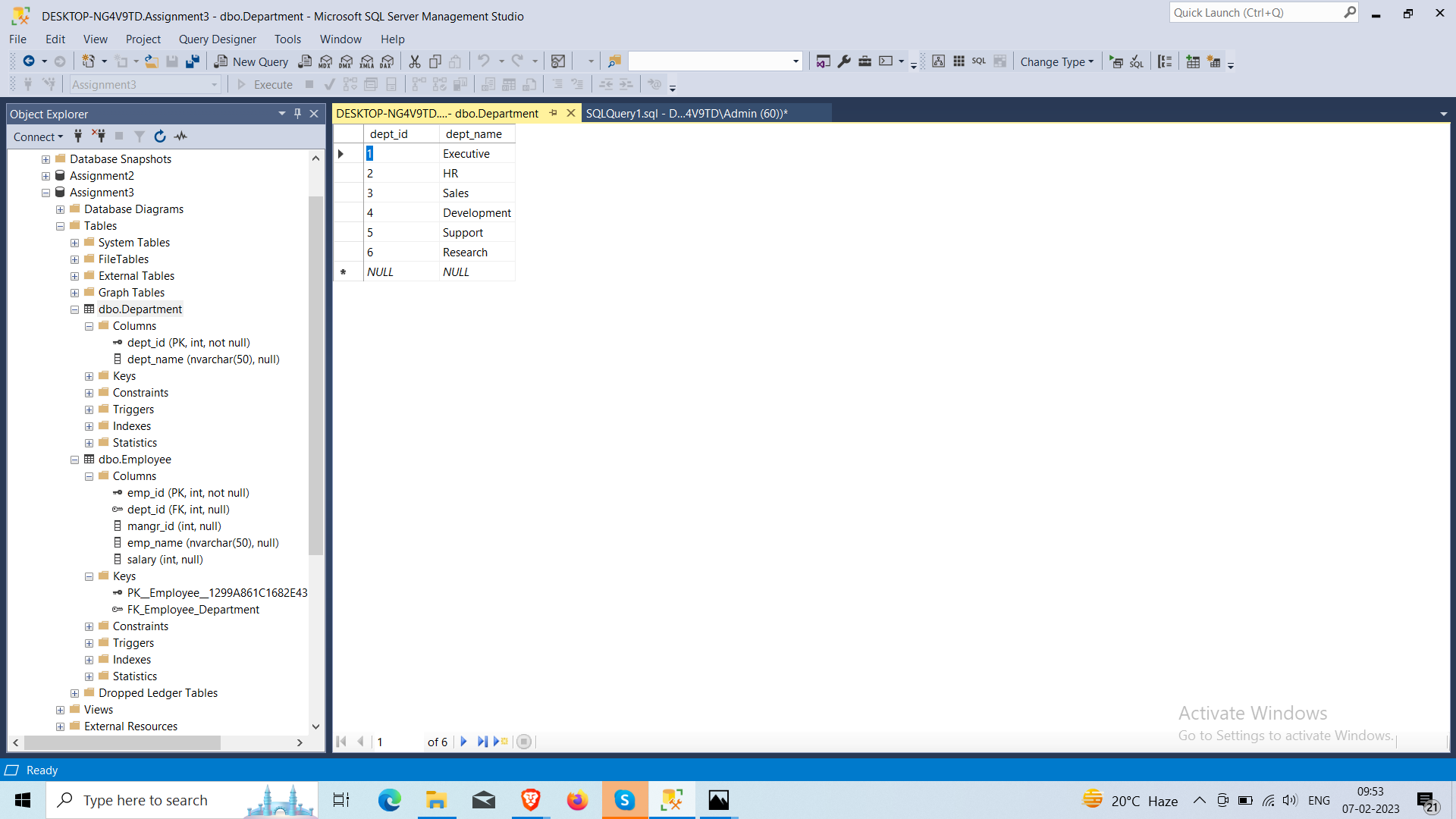
-salary



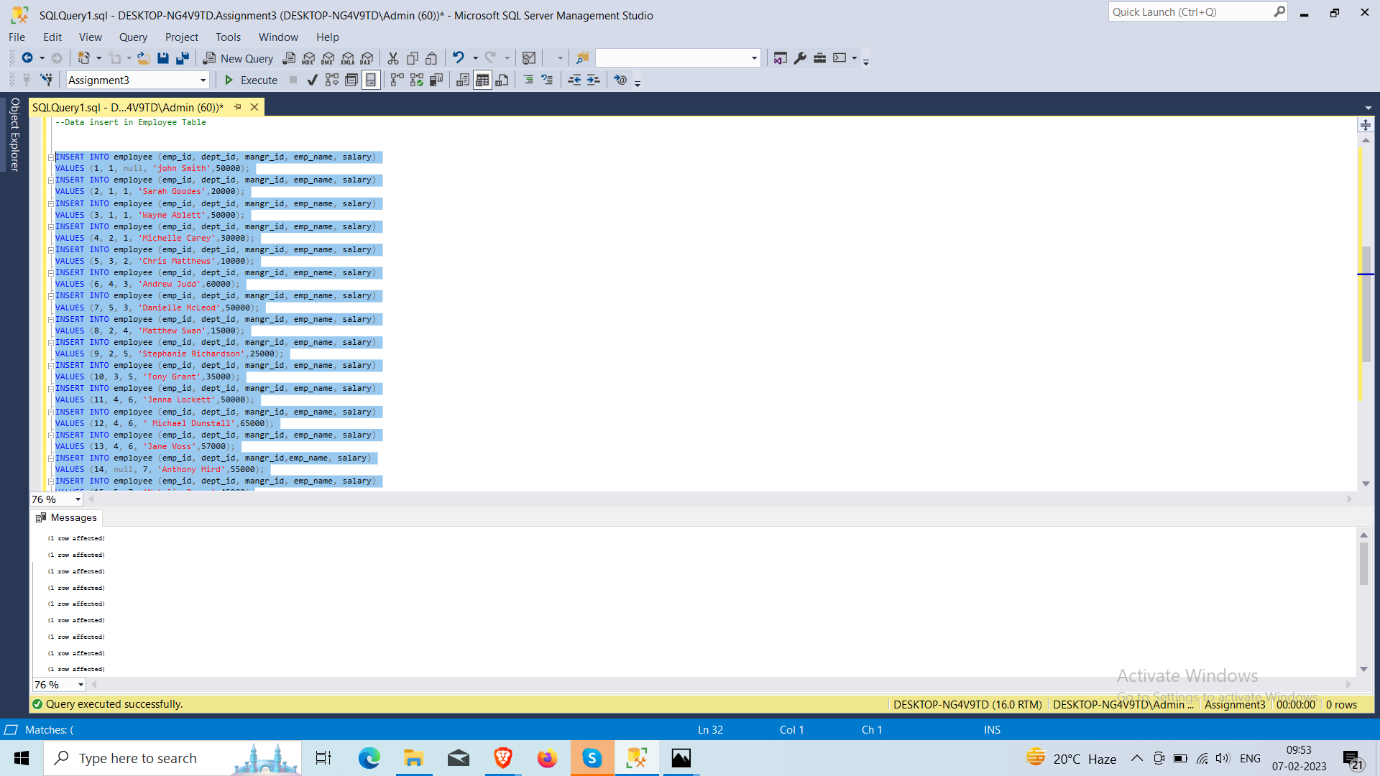
**Insert data in table**

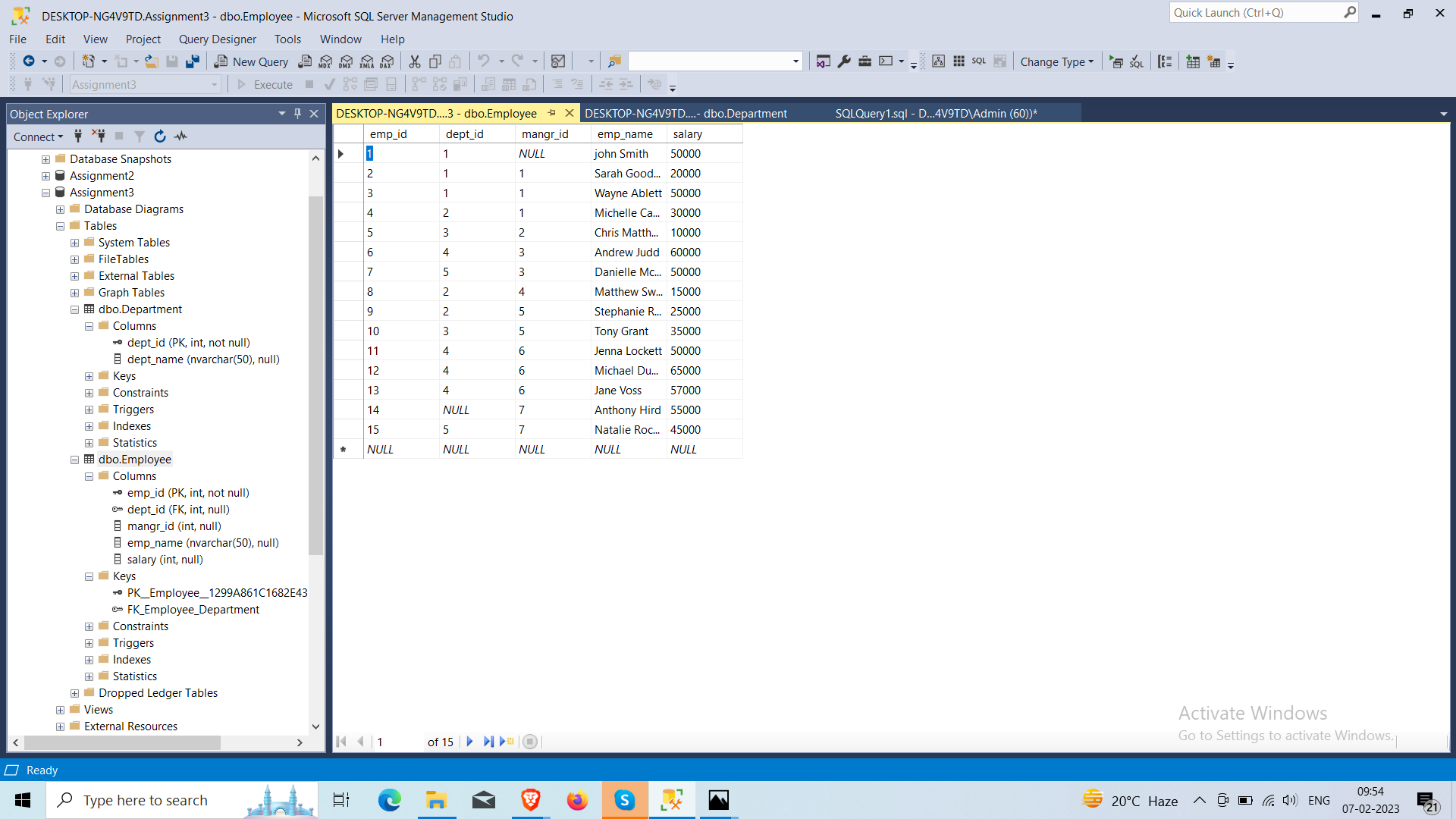
* **Table Department**

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****

* **Table Emploay**

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1. **write a SQL query to find Employees who have the biggest salary in their Department**

select Department.dept\_name as Department, Employee.emp\_name as Employee,Employee.salary

from Department join Employee

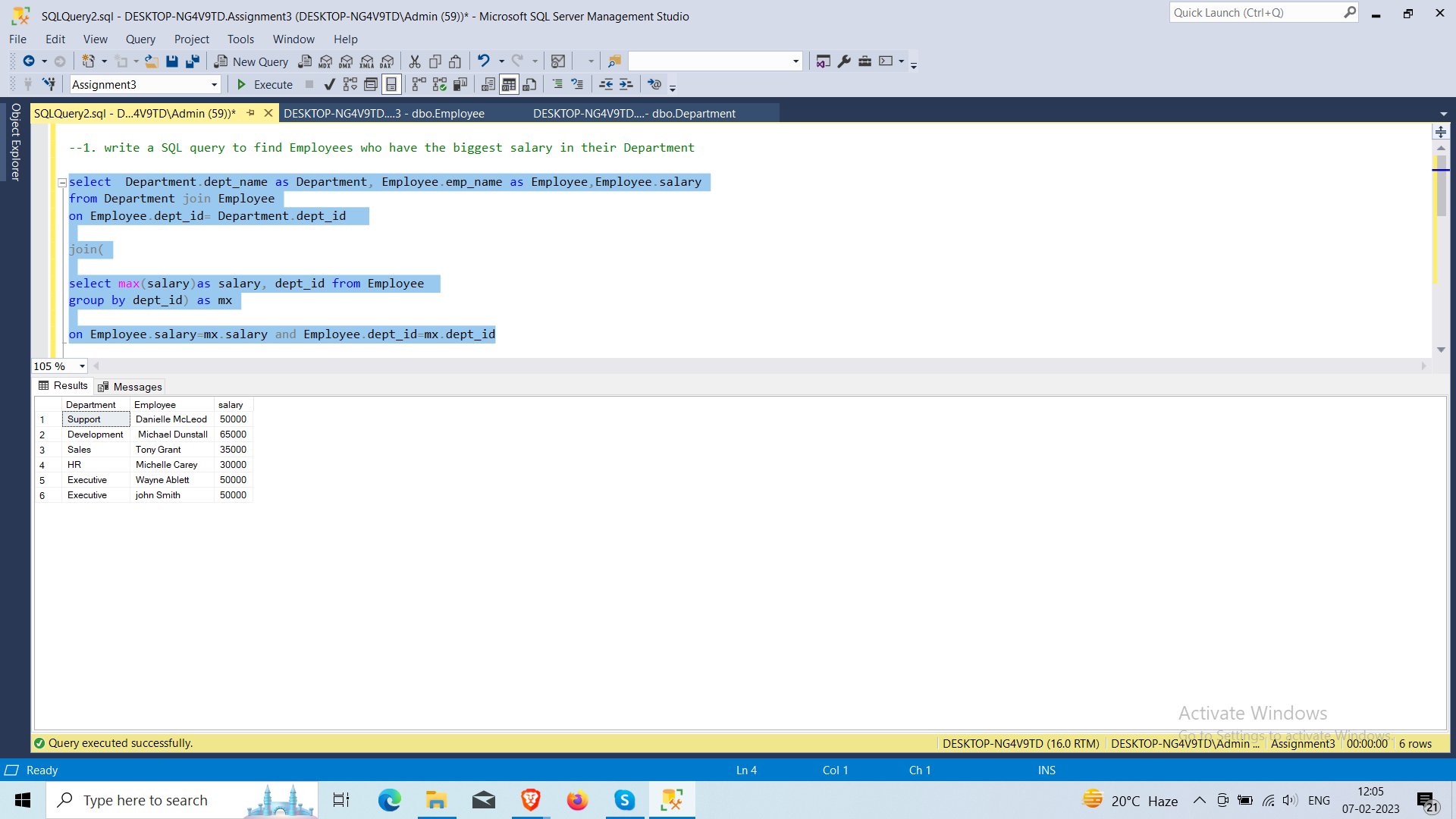
on Employee.dept\_id= Department.dept\_id

join(

select max(salary)as salary, dept\_id from Employee

group by dept\_id) as mx

on Employee.salary=mx.salary and Employee.dept\_id=mx.dept\_id

****

1. **write a SQL query to find Departments that have less than 3 people in it**

select Department.dept\_id, Department.dept\_name,COUNT(Employee.dept\_id) as [Total members]

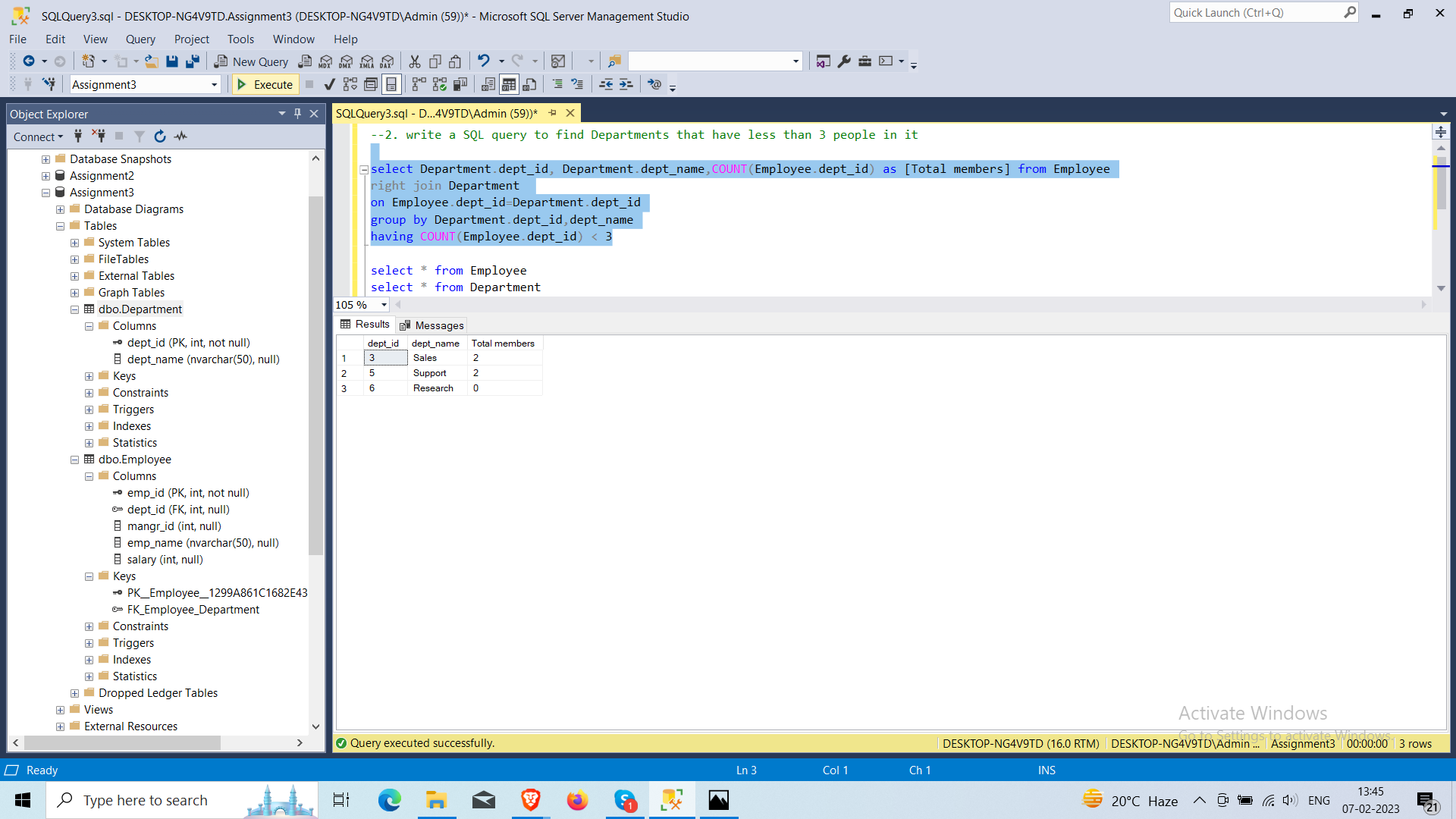
from Employee

right join Department

on Employee.dept\_id=Department.dept\_id

group by Department.dept\_id,dept\_name

having COUNT(Employee.dept\_id) < 3

****

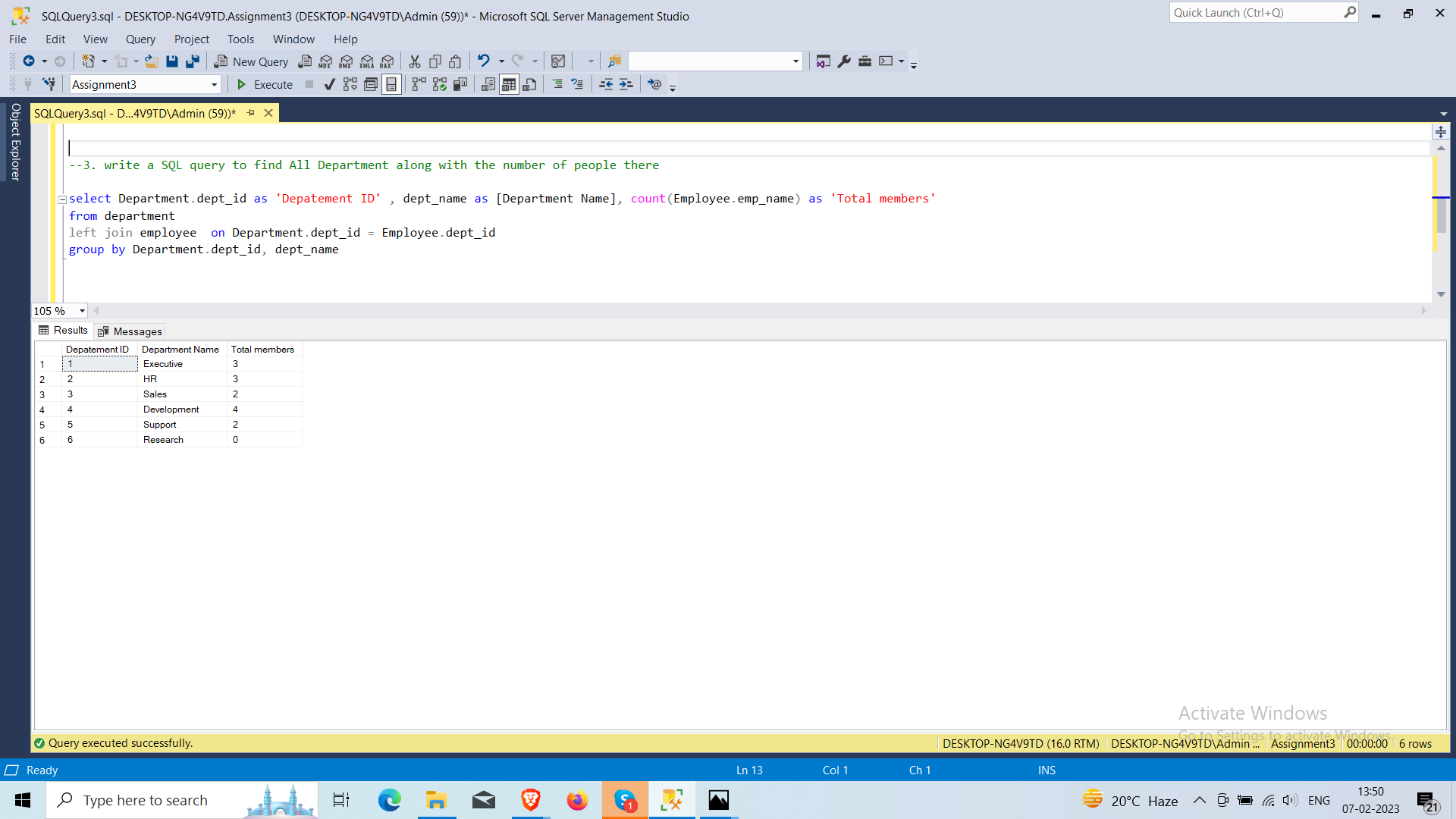
1. **write a SQL query to find All Department along with the number of people there**

select Department.dept\_id as 'Depatement ID' , dept\_name as [Department Name], count(Employee.emp\_name) as 'Total members'

from department

left join employee on Department.dept\_id = Employee.dept\_id

group by Department.dept\_id, dept\_name

****

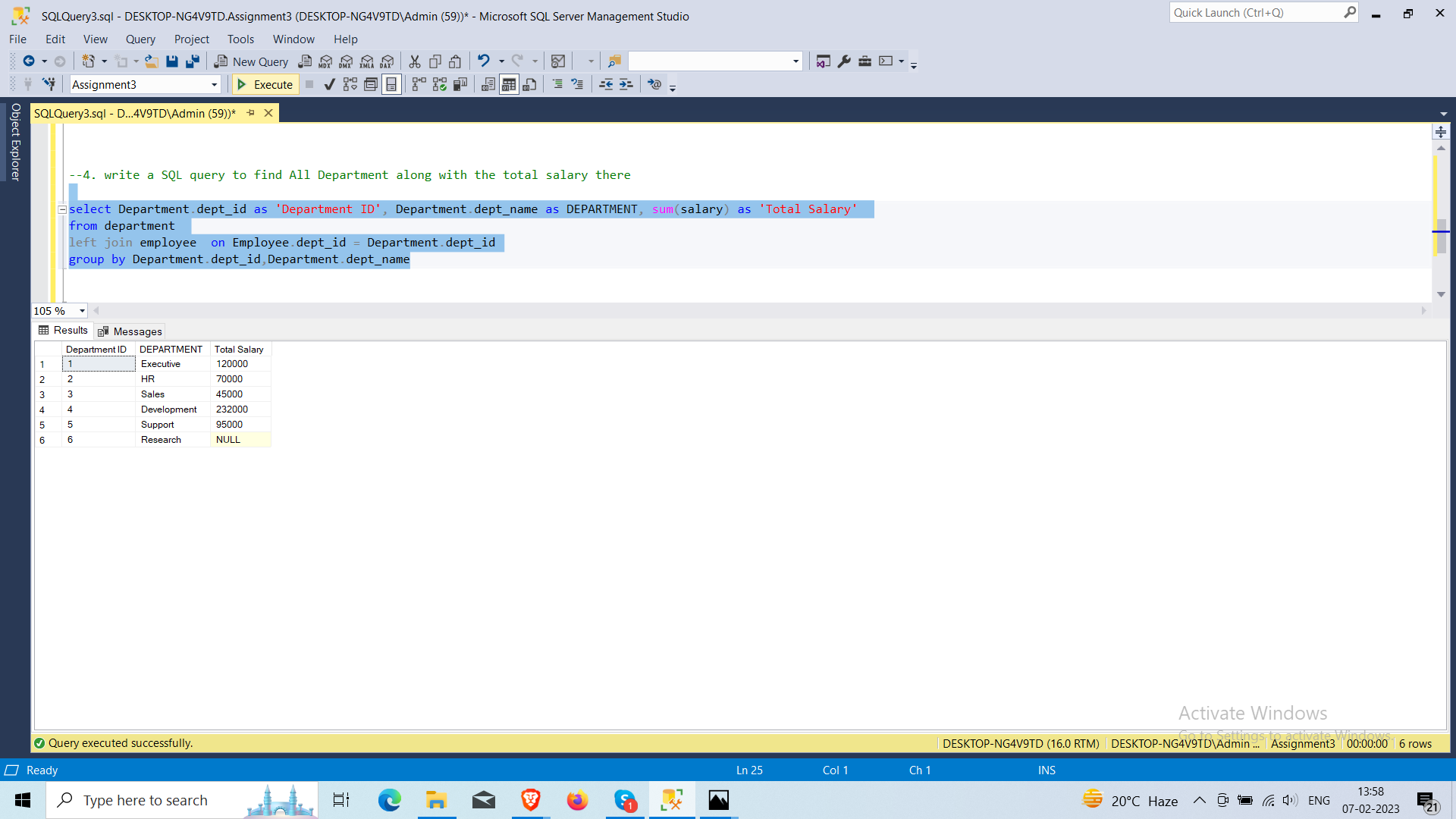
1. **write a SQL query to find All Department along with the total salary there**

select Department.dept\_id as 'Department ID', Department.dept\_name as DEPARTMENT, sum(salary) as 'Total Salary'

from department

left join employee on Employee.dept\_id = Department.dept\_id

group by Department.dept\_id,Department.dept\_name

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