**Name:** Roohma Kadri

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**ASSIGNMENT 03**

**Retrieve data using Group By clause**

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**Sample table1:Department**

-dept\_id

-dept\_name

**Sample table2: Employee**

-emp\_id

-dept\_id

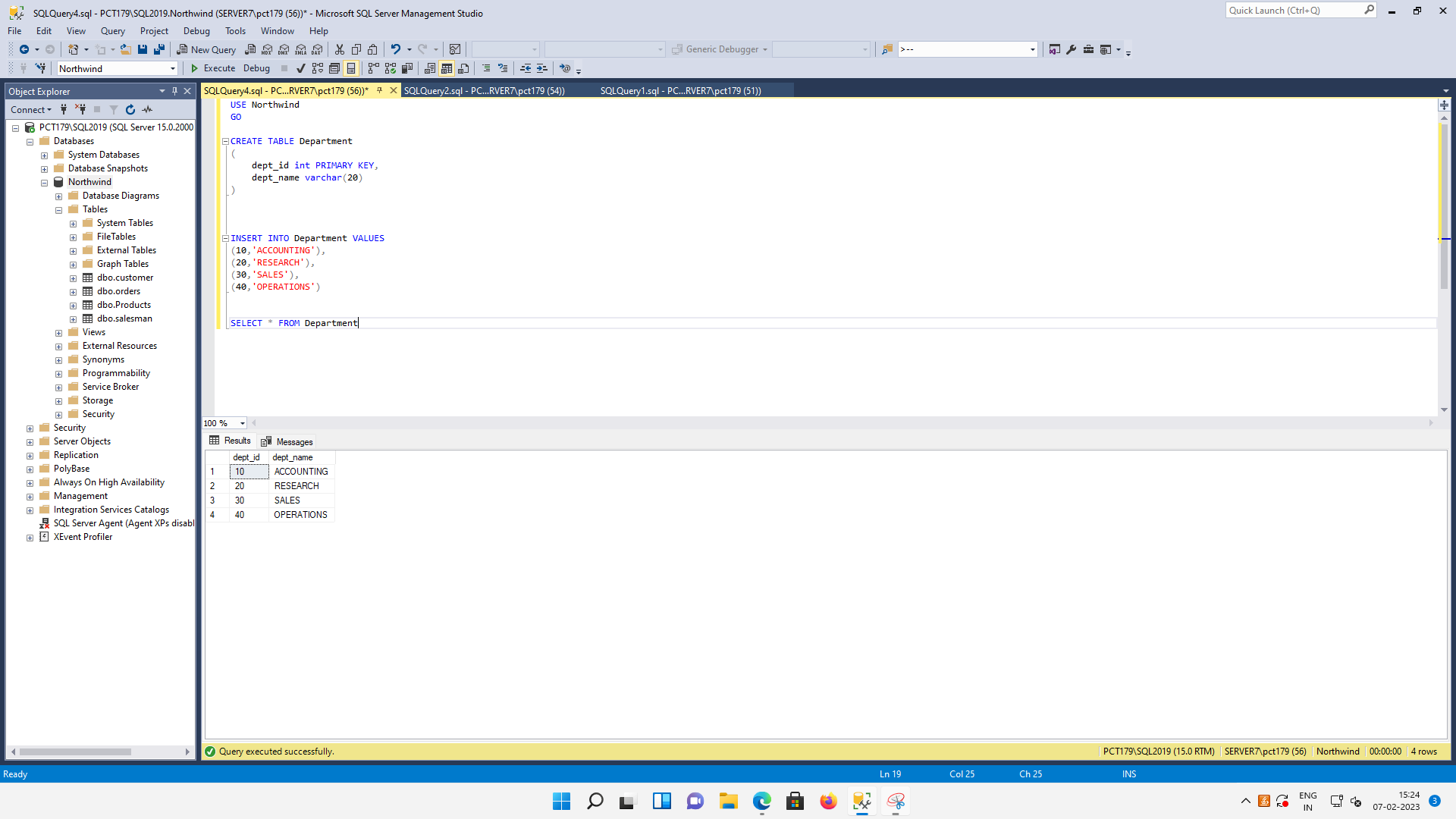
-mngr\_id

-emp\_name

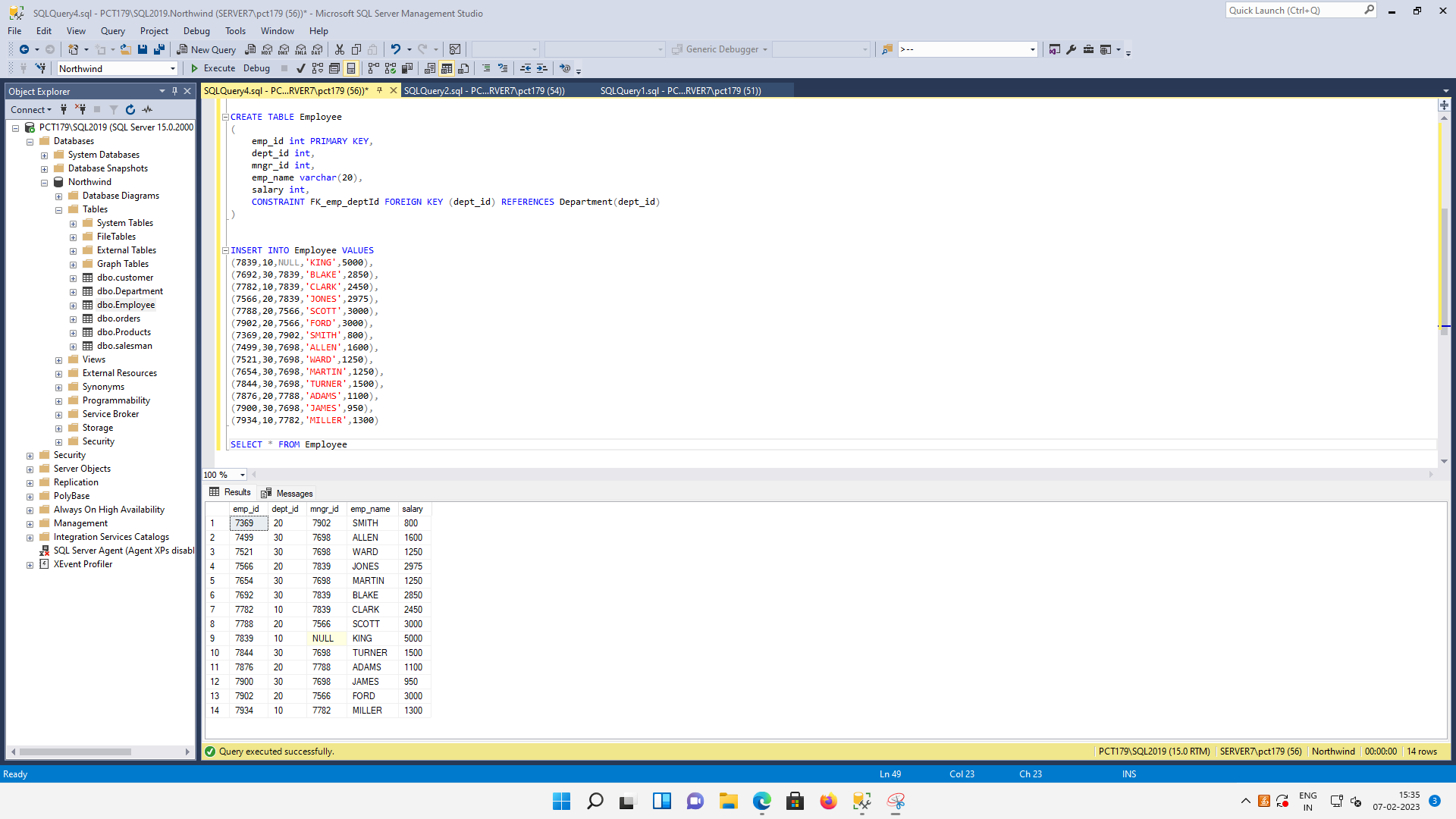
-salary

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**DEPARTMENT TABLE**



**EMPLOYEE TABLE**



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**QUERY 01:** Write a SQL query to find Employees who have the biggest salary in their Department

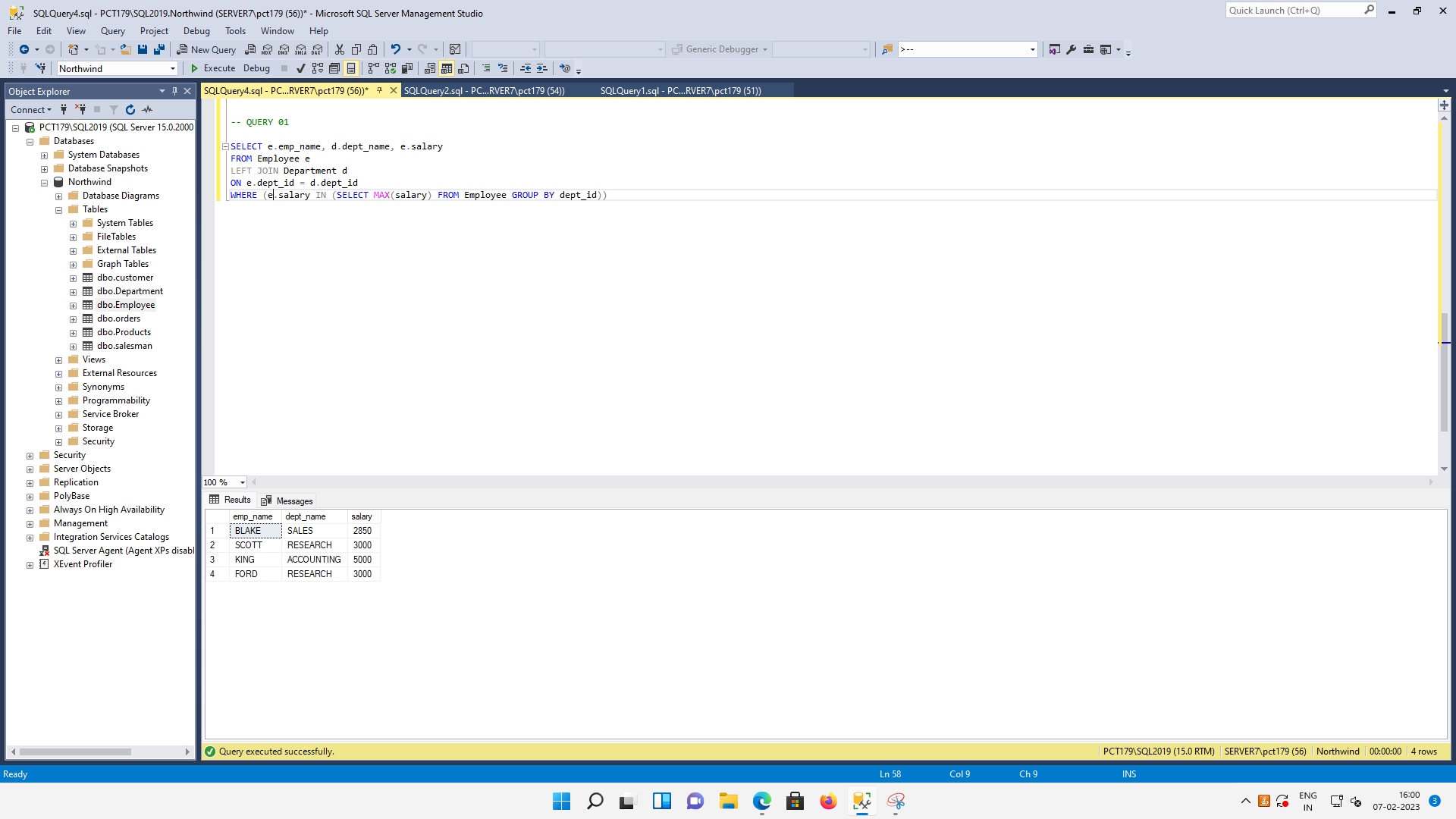
SELECT e.emp\_name, d.dept\_name, e.salary

FROM Employee e

LEFT JOIN Department d

ON e.dept\_id = d.dept\_id

WHERE (e.salary IN (SELECT MAX(salary) FROM Employee GROUP BY dept\_id))



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**QUERY 02:** Write a SQL query to find Departments that have less than 3 people in it

SELECT d.dept\_id, d.dept\_name, COUNT(e.dept\_id) AS [Employee Count]

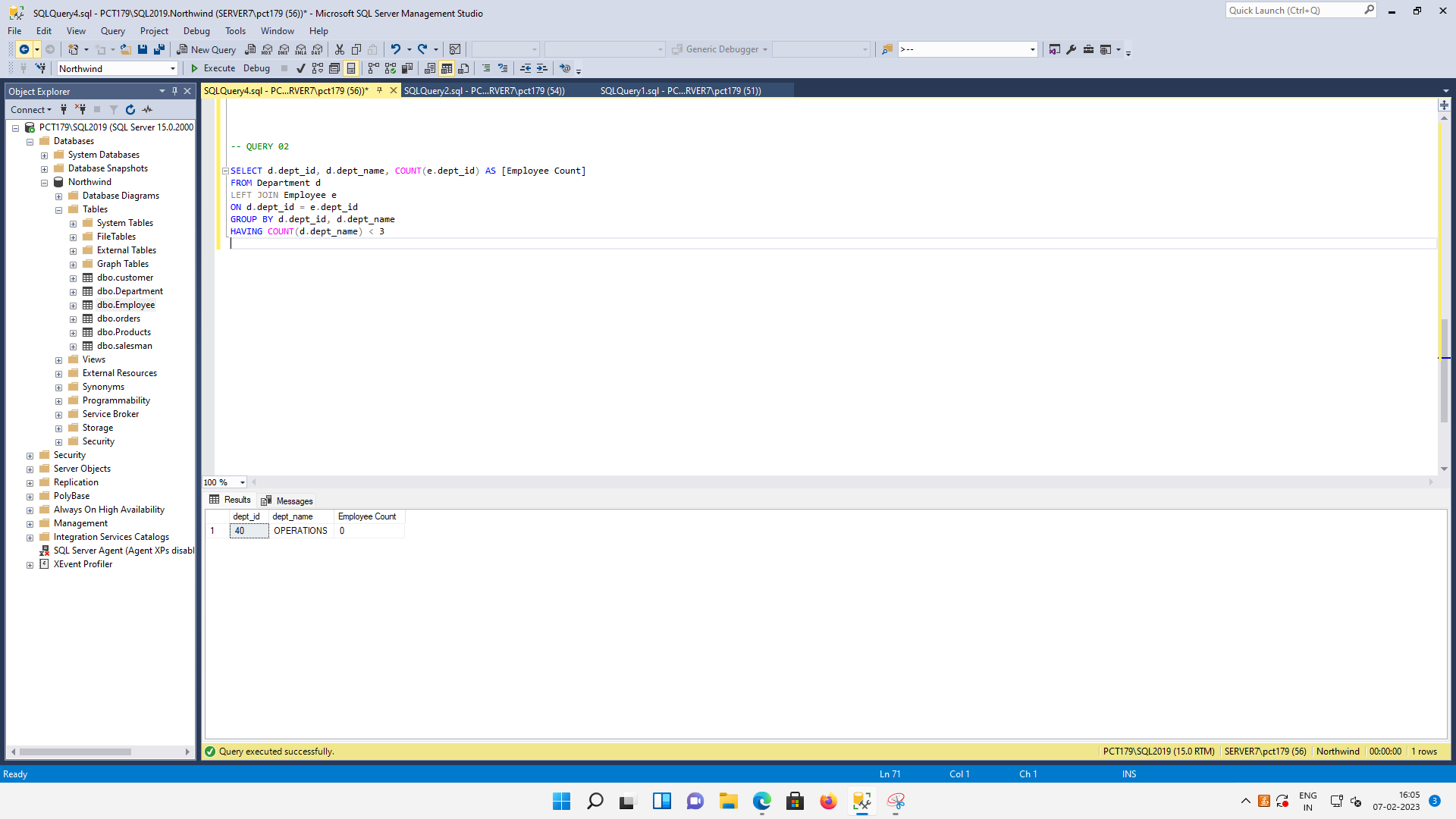
FROM Department d

LEFT JOIN Employee e

ON d.dept\_id = e.dept\_id

GROUP BY d.dept\_id, d.dept\_name

HAVING COUNT(d.dept\_name) < 3



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**QUERY 03:** Write a SQL query to find All Department along with the number of people there

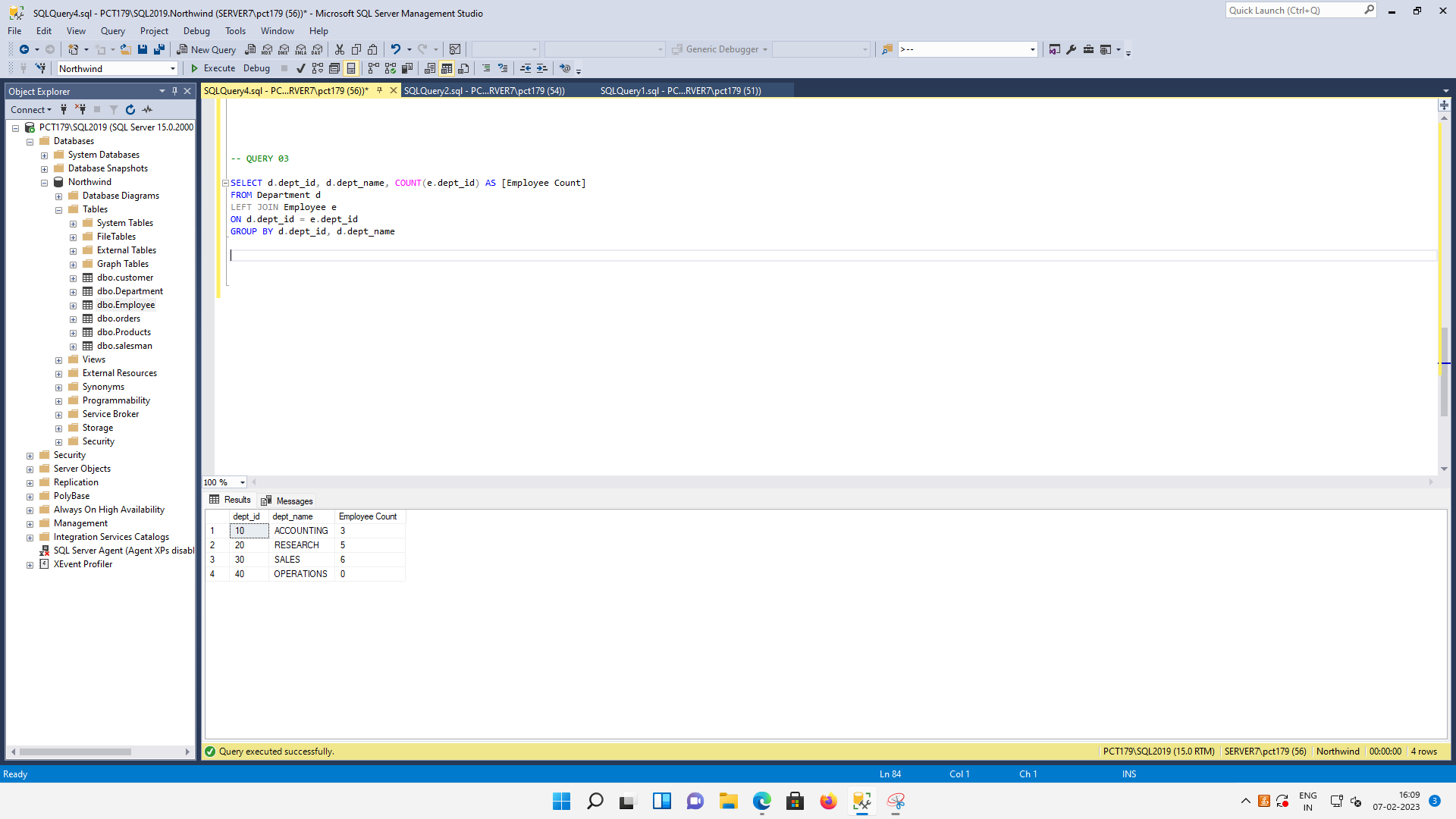
SELECT d.dept\_id, d.dept\_name, COUNT(e.dept\_id) AS [Employee Count]

FROM Department d

LEFT JOIN Employee e

ON d.dept\_id = e.dept\_id

GROUP BY d.dept\_id, d.dept\_name



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**QUERY 04:** Write a SQL query to find All Department along with the total salary there

SELECT d.dept\_id, d.dept\_name, SUM(e.salary) AS [Total Salary]

FROM Department d

LEFT JOIN Employee e

ON d.dept\_id = e.dept\_id

GROUP BY d.dept\_id, d.dept\_name

