DMV Assignment 5

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Question 1: Find the names of employees who earn more than the average salary of their department.

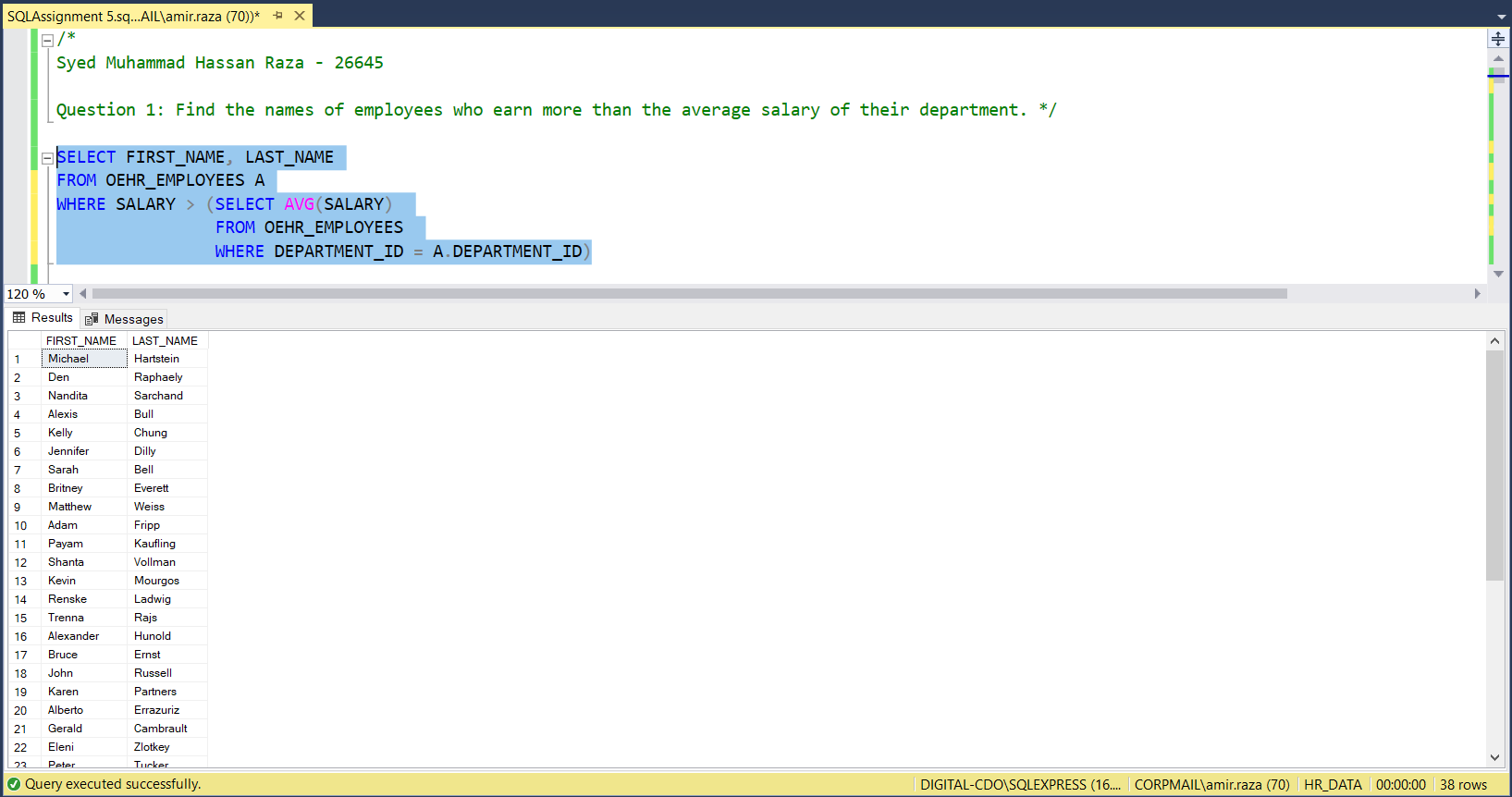
SELECT FIRST\_NAME, LAST\_NAME

FROM OEHR\_EMPLOYEES A

WHERE SALARY > (SELECT AVG(SALARY)

FROM OEHR\_EMPLOYEES

WHERE DEPARTMENT\_ID = A.DEPARTMENT\_ID)



Question 2: Write a SQL query to find details of those employees where the salary falls within the range of the smallest salary and 2500. Sort the results by highest salary to lowest salary. Put the results in a table and show results.

SELECT \*

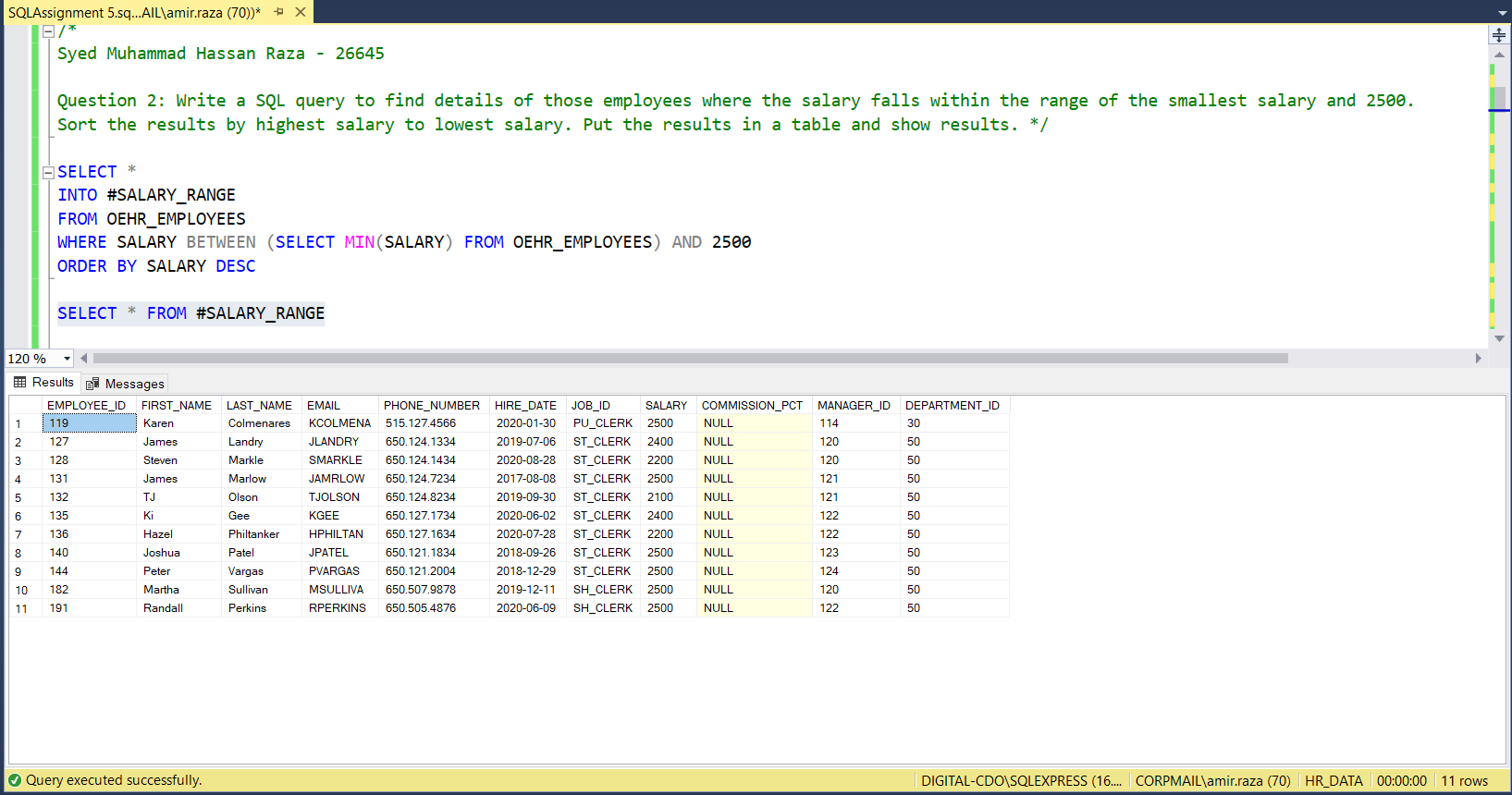
INTO #SALARY\_RANGE

FROM OEHR\_EMPLOYEES

WHERE SALARY BETWEEN (SELECT MIN(SALARY) FROM OEHR\_EMPLOYEES) AND 2500

ORDER BY SALARY DESC

SELECT \* FROM #SALARY\_RANGE



Question 3: List all employees who work in the same department as a manager.

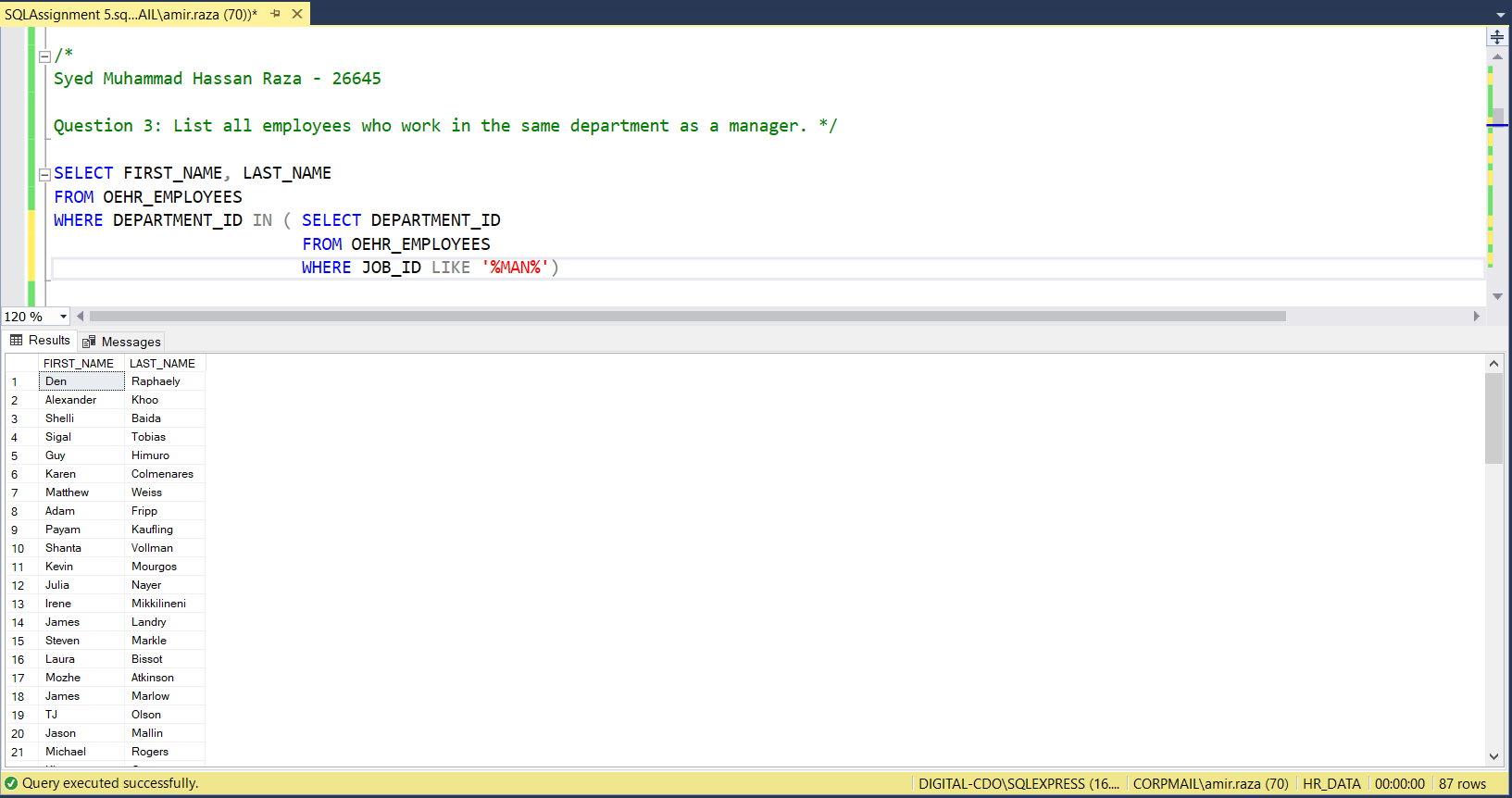
SELECT FIRST\_NAME, LAST\_NAME

FROM OEHR\_EMPLOYEES

WHERE DEPARTMENT\_ID IN ( SELECT DEPARTMENT\_ID

FROM OEHR\_EMPLOYEES

WHERE JOB\_ID LIKE '%MAN%')



Question 4: Using Subqueries, Find the departments with no employees.

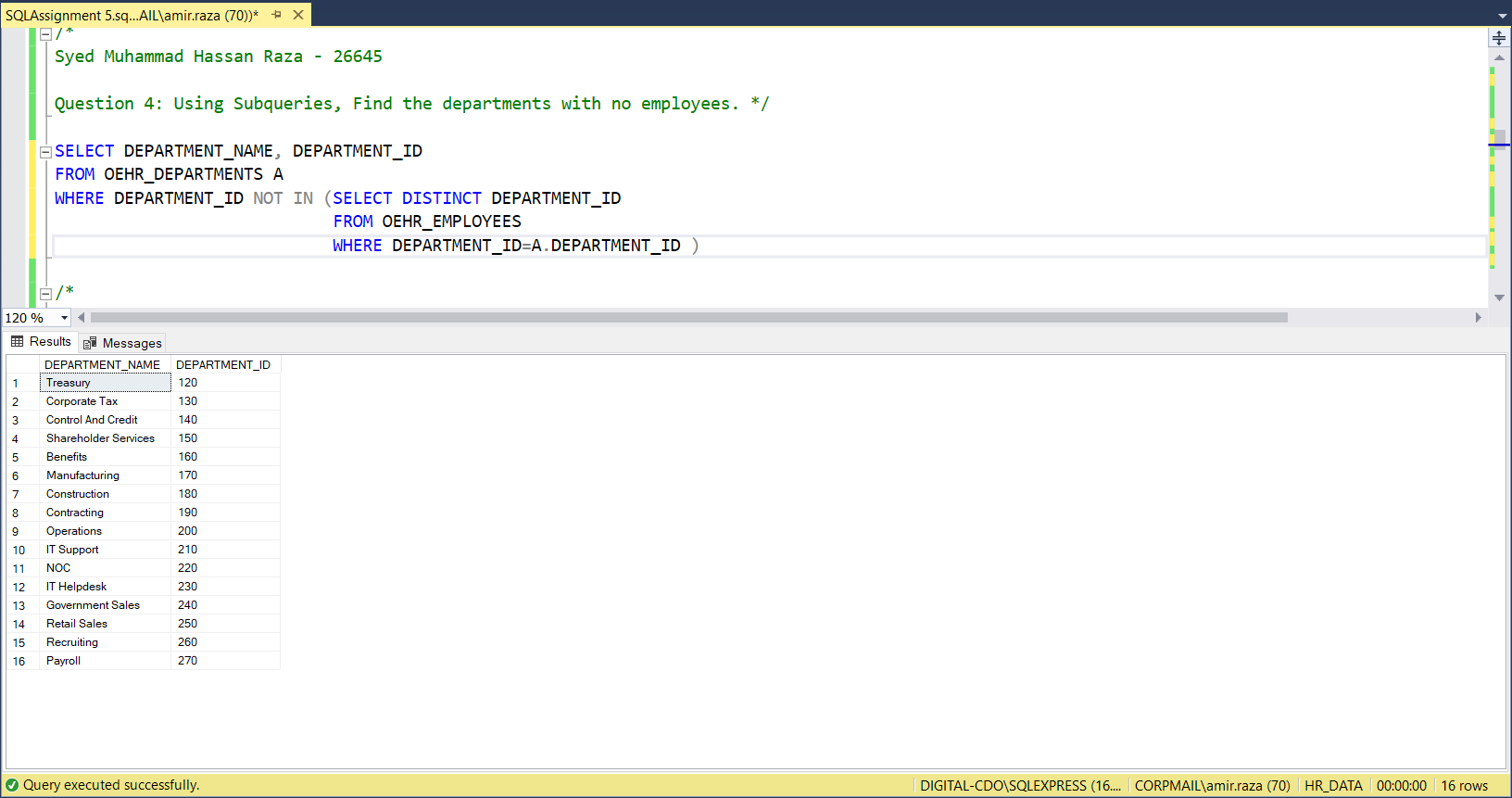
SELECT DEPARTMENT\_NAME, DEPARTMENT\_ID

FROM OEHR\_DEPARTMENTS A

WHERE DEPARTMENT\_ID NOT IN (SELECT DISTINCT DEPARTMENT\_ID

FROM OEHR\_EMPLOYEES

WHERE DEPARTMENT\_ID=A.DEPARTMENT\_ID )



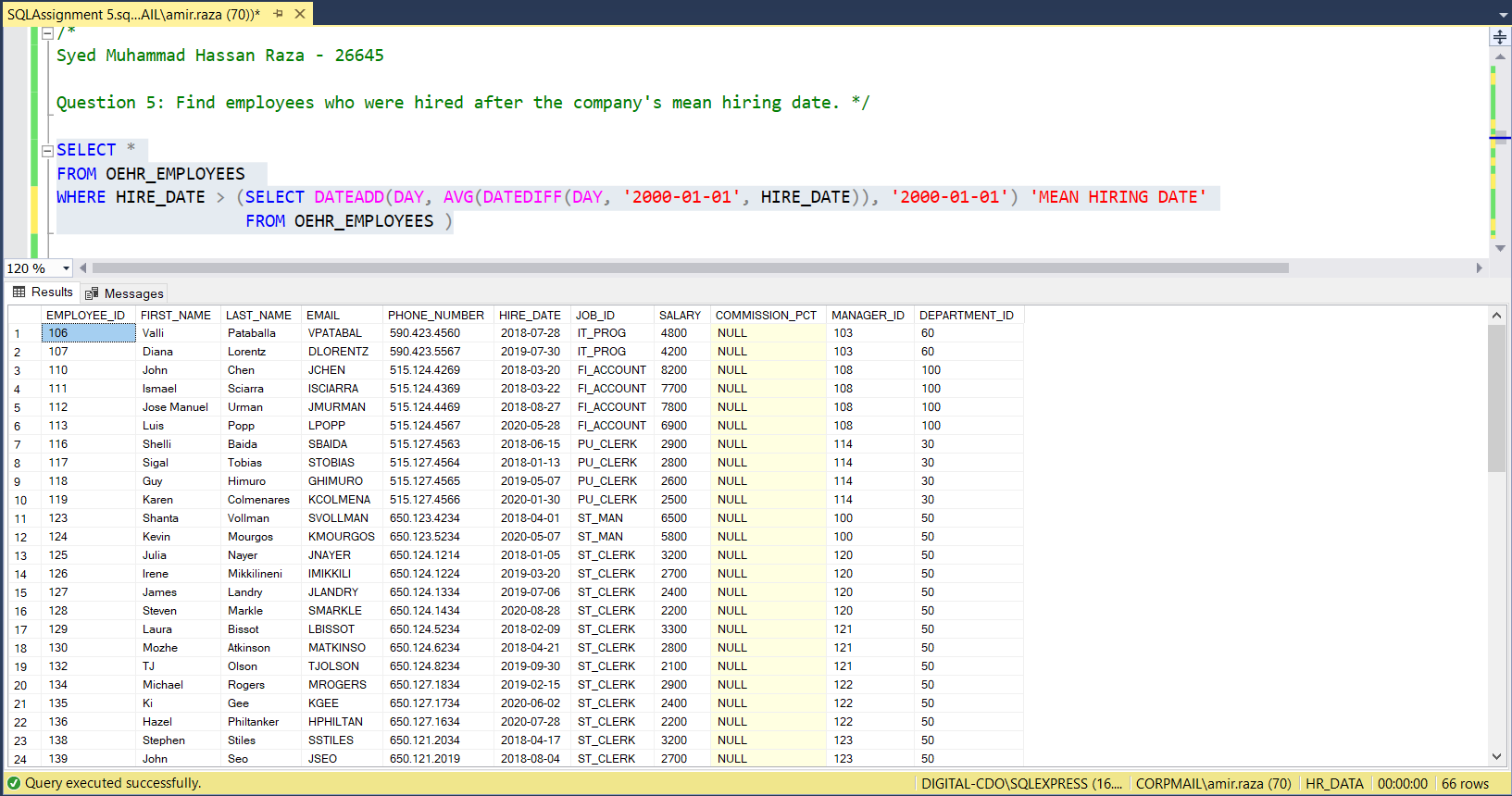
Question 5: Find employees who were hired after the company's mean hiring date.

SELECT \*

FROM OEHR\_EMPLOYEES

WHERE HIRE\_DATE > (SELECT DATEADD(DAY, AVG(DATEDIFF(DAY, '2000-01-01', HIRE\_DATE)), '2000-01-01') 'MEAN HIRING DATE'

FROM OEHR\_EMPLOYEES )



Question 6: List the names of all managers who have at least 5 employees in their department.

SELECT FIRST\_NAME, LAST\_NAME

FROM (SELECT \* FROM OEHR\_EMPLOYEES WHERE JOB\_ID LIKE '%MAN%') AS MANAGERS

WHERE DEPARTMENT\_ID IN ( SELECT DEPARTMENT\_ID

FROM OEHR\_EMPLOYEES

WHERE JOB\_ID <> '%MAN%'

GROUP BY DEPARTMENT\_ID

HAVING COUNT(\*) >= 5)

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Question 7: Find the departments where the average salary is greater than the company's overall average salary.

SELECT A.DEPARTMENT\_NAME, A.DEPARTMENT\_ID

FROM OEHR\_DEPARTMENTS A

INNER JOIN OEHR\_EMPLOYEES B

ON A.DEPARTMENT\_ID=B.DEPARTMENT\_ID

GROUP BY DEPARTMENT\_NAME, A.DEPARTMENT\_ID

HAVING AVG(SALARY) > (SELECT AVG(SALARY) FROM OEHR\_EMPLOYEES)

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Question 8: List the employees who have a job title that is not present in the job history table.

SELECT EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME

FROM OEHR\_EMPLOYEES A

WHERE NOT EXISTS (SELECT \*

FROM OEHR\_JOB\_HISTORY B

WHERE A.JOB\_ID=B.JOB\_ID)

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Question 9: Find the names of employees who have been in the company longer than the average tenure of employees in their department.

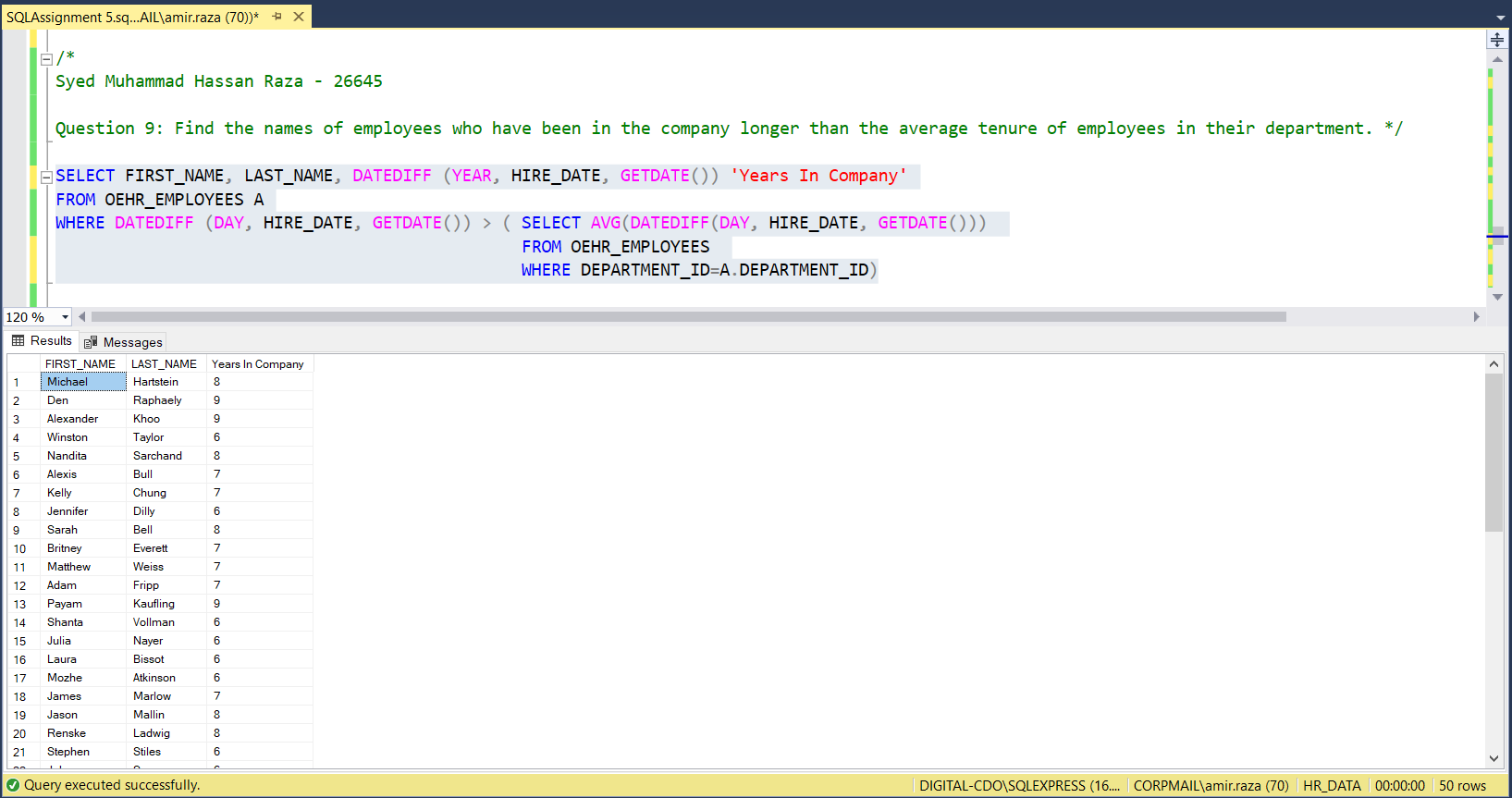
SELECT FIRST\_NAME, LAST\_NAME, DATEDIFF (YEAR, HIRE\_DATE, GETDATE()) 'Years In Company'

FROM OEHR\_EMPLOYEES A

WHERE DATEDIFF (DAY, HIRE\_DATE, GETDATE()) > ( SELECT AVG(DATEDIFF(DAY, HIRE\_DATE, GETDATE()))

FROM OEHR\_EMPLOYEES

WHERE DEPARTMENT\_ID=A.DEPARTMENT\_ID)



Question 10: Find the employee with the 3rd highest salary.

SELECT TOP 1 EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY

FROM dbo.OEHR\_EMPLOYEES

WHERE EMPLOYEE\_ID NOT IN (

SELECT TOP 2 EMPLOYEE\_ID

FROM dbo.OEHR\_EMPLOYEES

ORDER BY SALARY DESC)

GROUP BY EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY

ORDER BY SALARY DESC

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