**CODING TEST - 1 (SQL)**

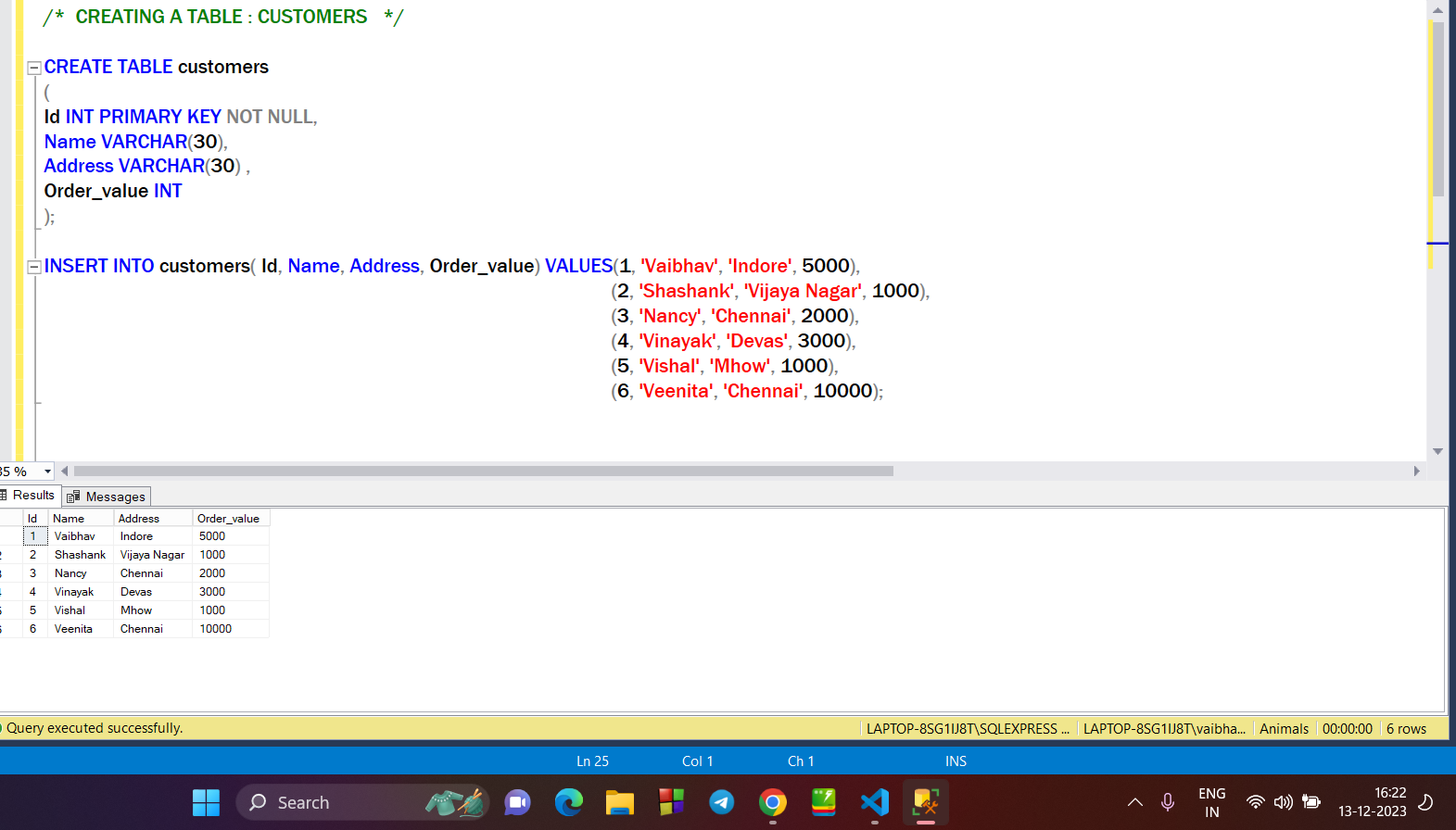
VAIBHAV PATIDAR

13/12/2023

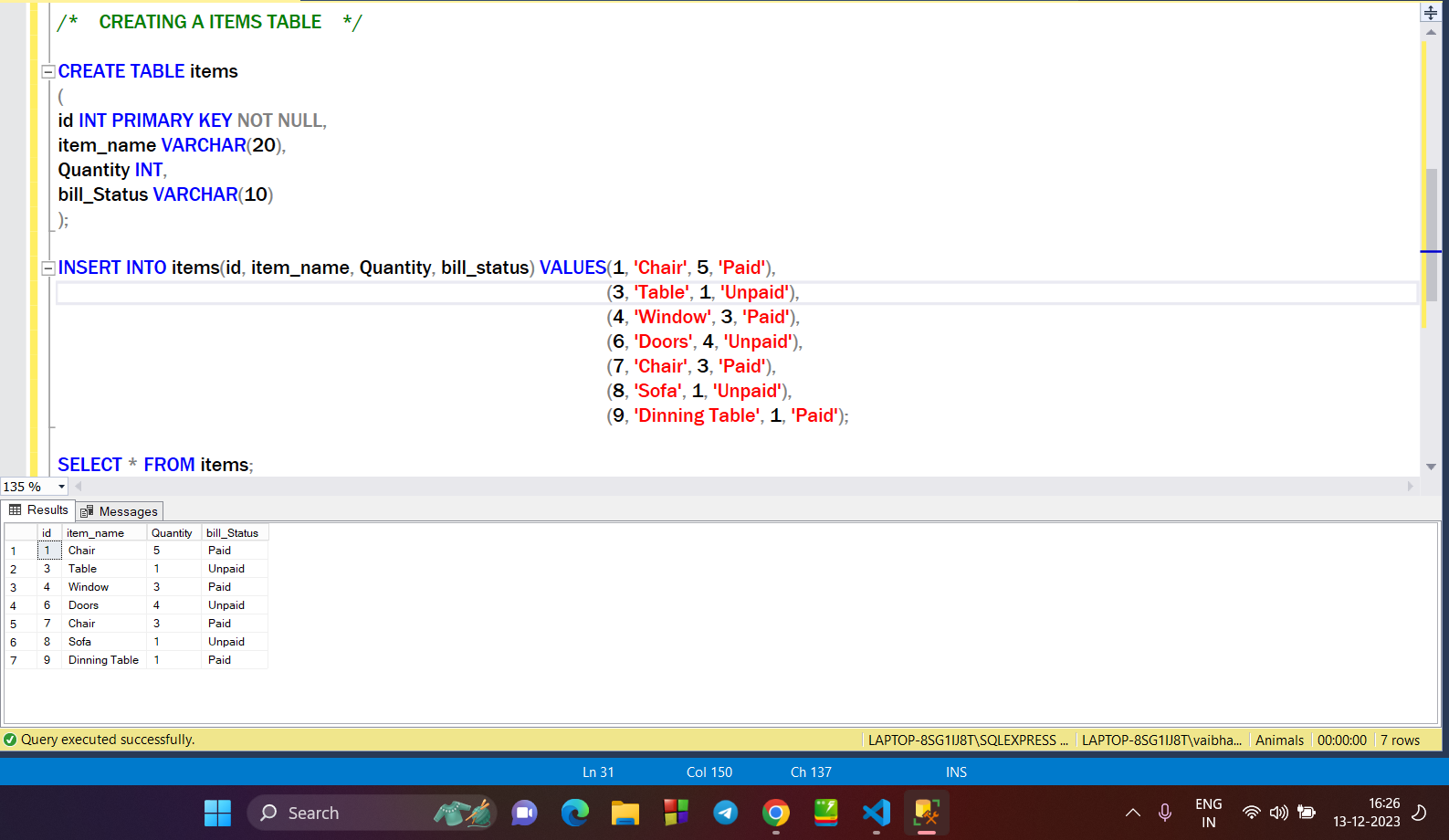
Only Queries File : [**CLICK HERE**](https://docs.google.com/document/u/0/d/1RuGL8Ab3fZ8F5qqx57ev_h3lMQ-oWJ0ikFOaTKJCErY/edit)

**Q1. Querying Data by Using Joins and Subqueries.**

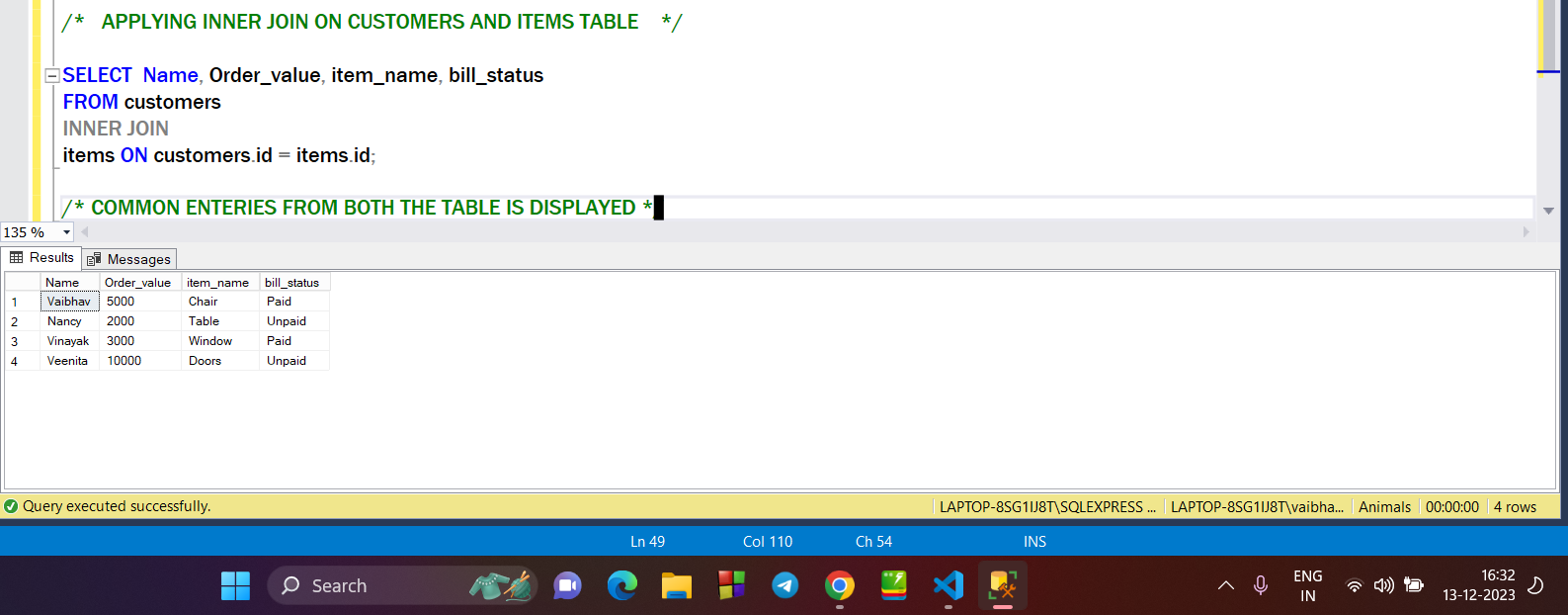
**→ Creating a Customer table :**



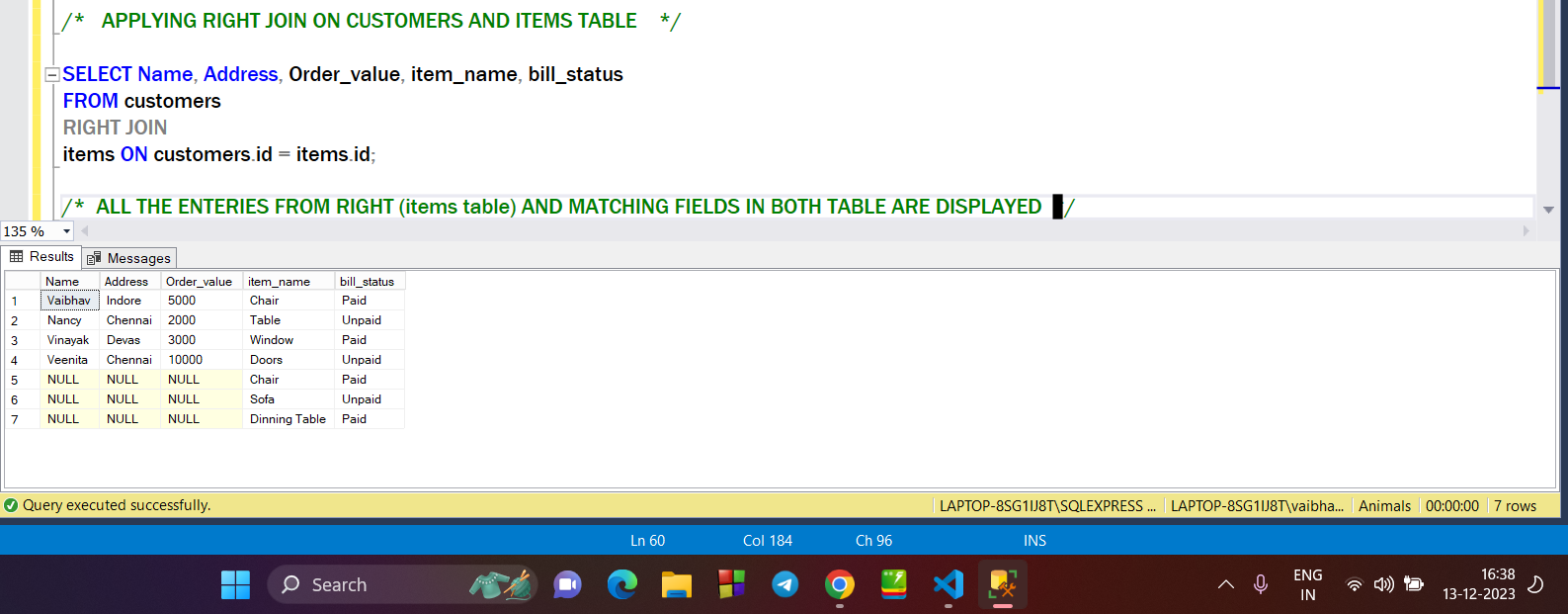
→ **Creating a items table :**

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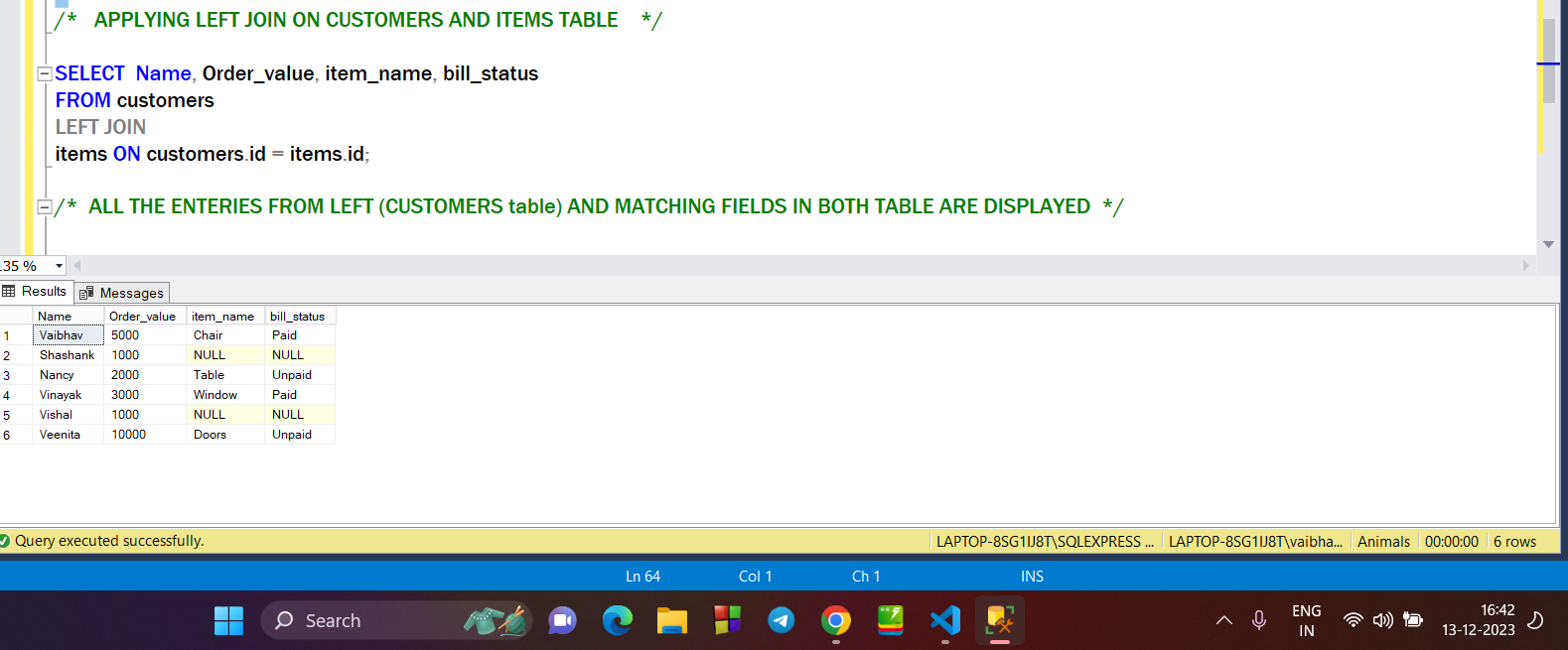
**→ Applying INNER JOIN on customers & items table :**

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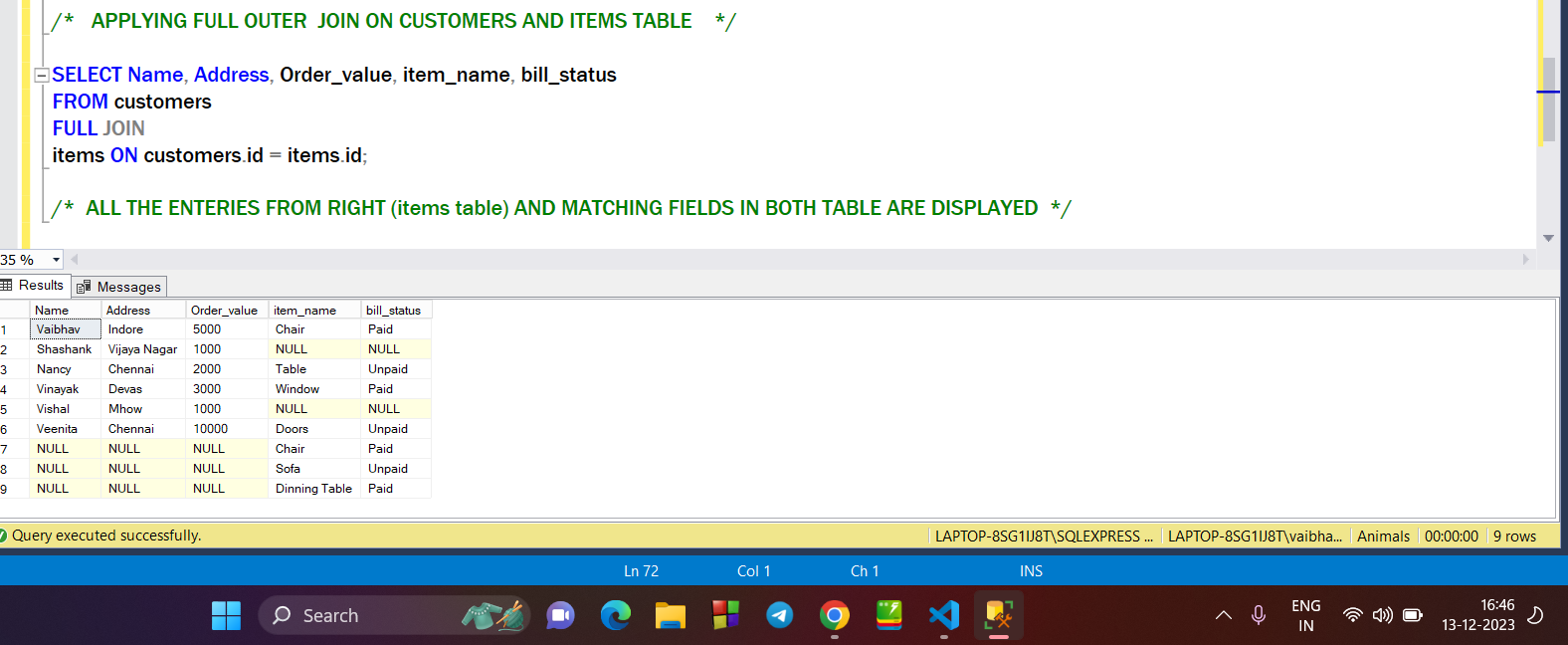
**→ Applying RIGHT JOIN on customers and items table :**

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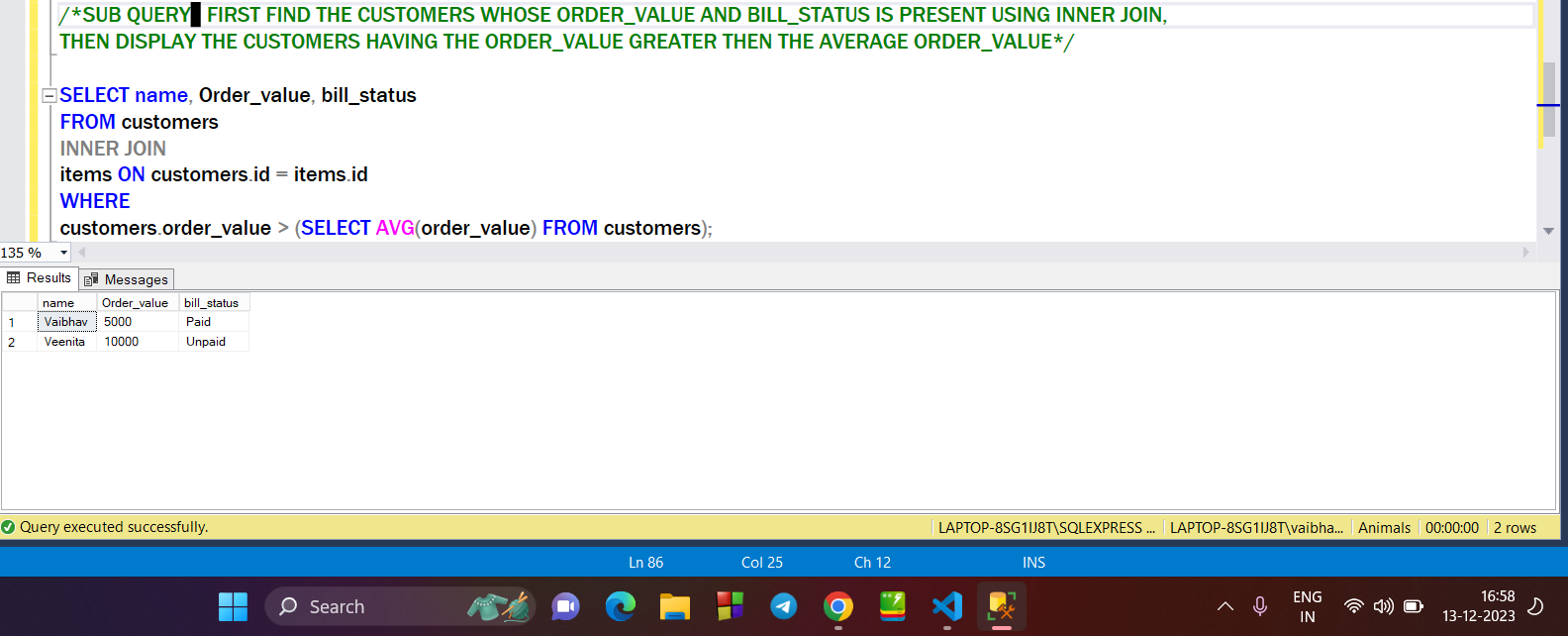
**→ APPLYING LEFT JOIN ON CUSTOMERS & ITEMS TABLE :**

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**→ APPLYING FULL OUTER JOIN ON CUSTOMERS AND ITEMS TABLE :**

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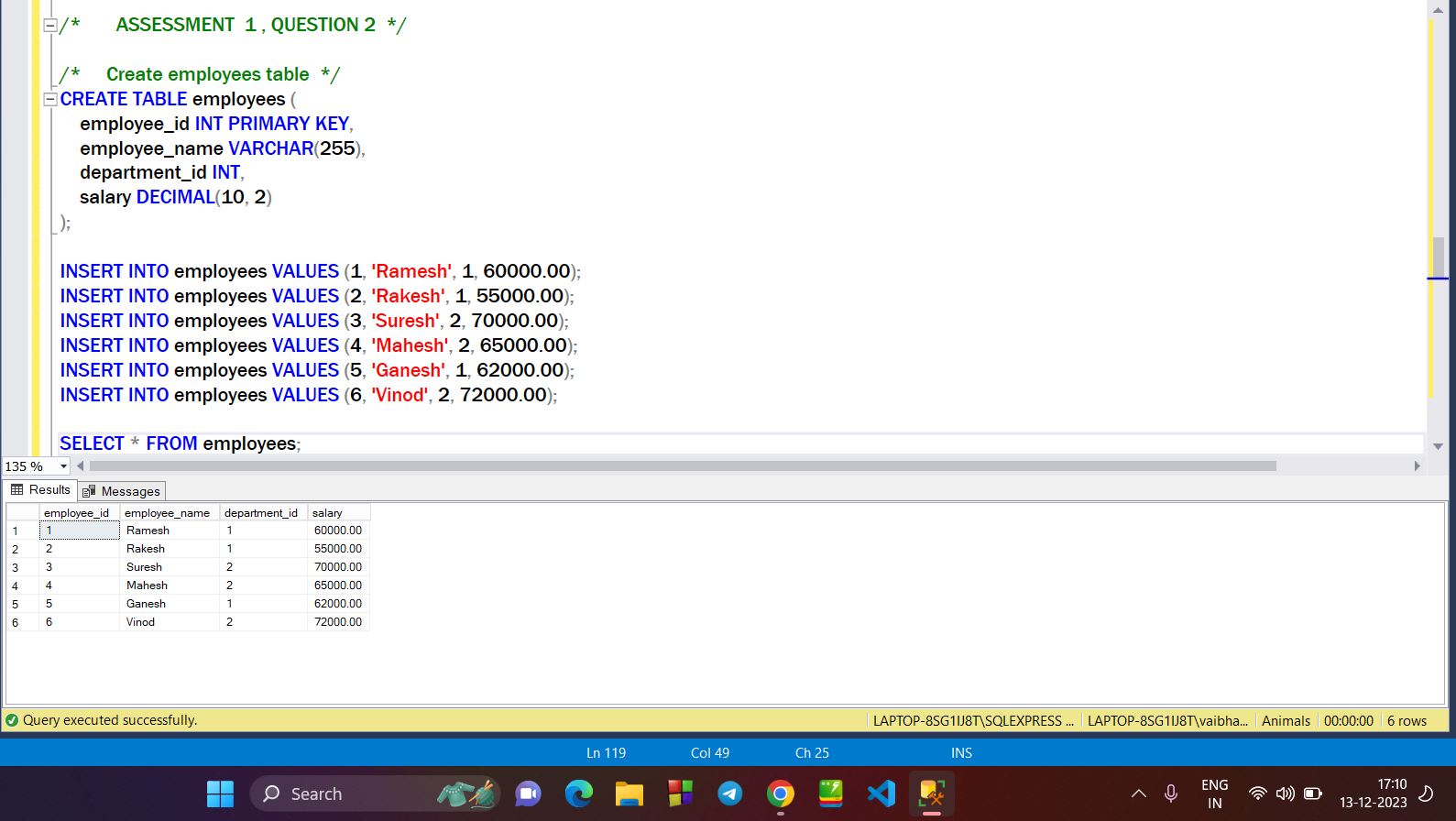
**→ SUB QUERY WITH JOIN :**



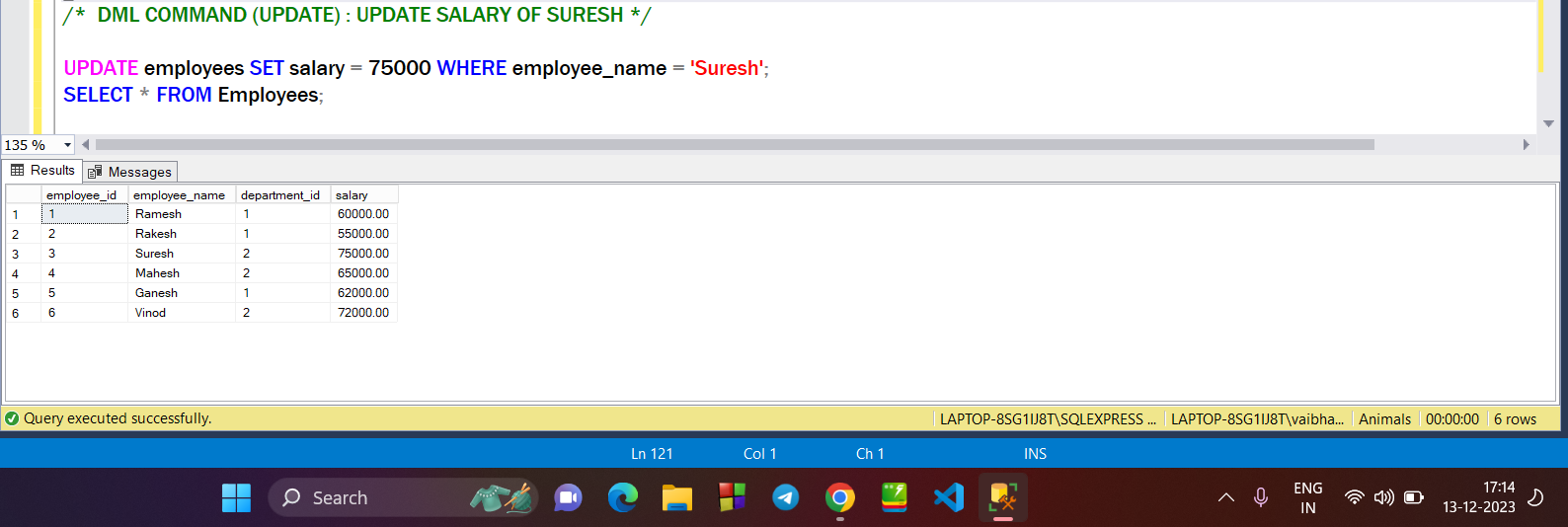
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**Q2. Manipulate data by using sql commands using groupby and having clause.**

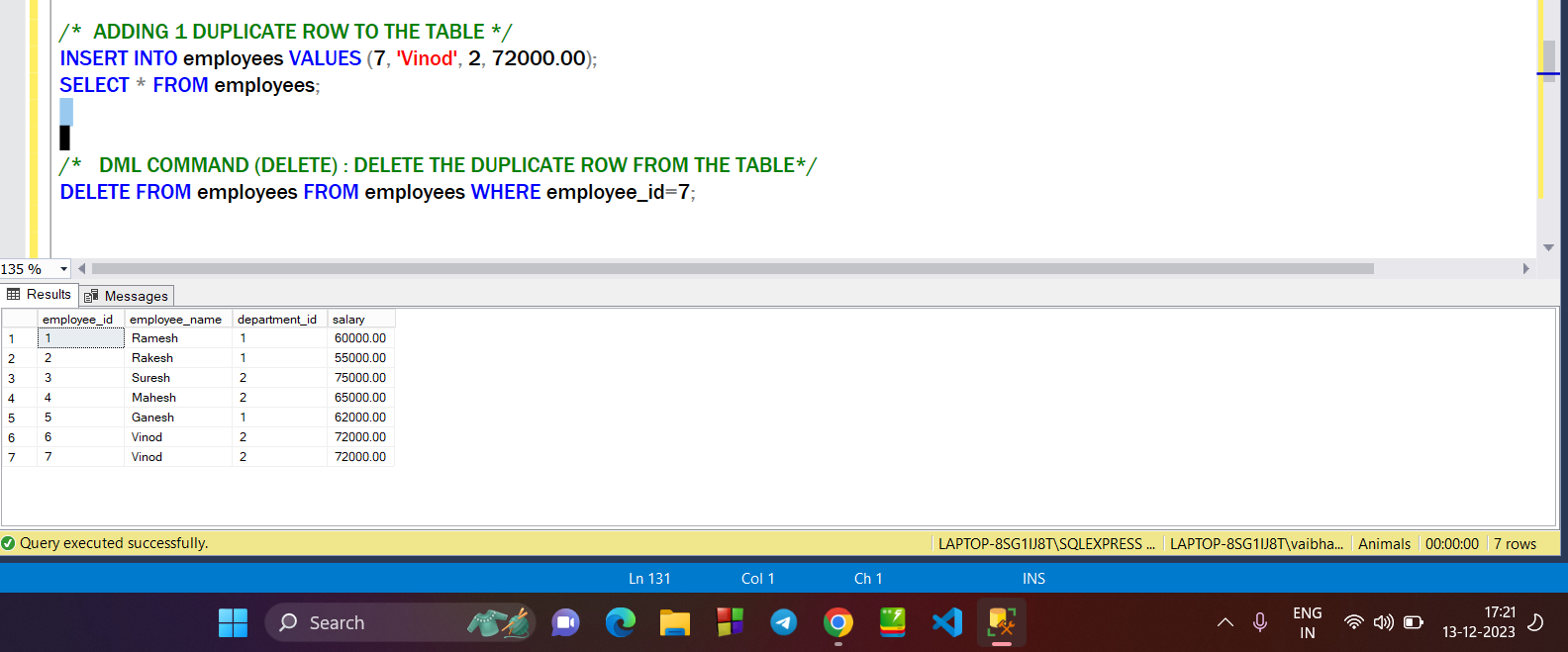
**→ Creating Employee Table and inserting data into it :**

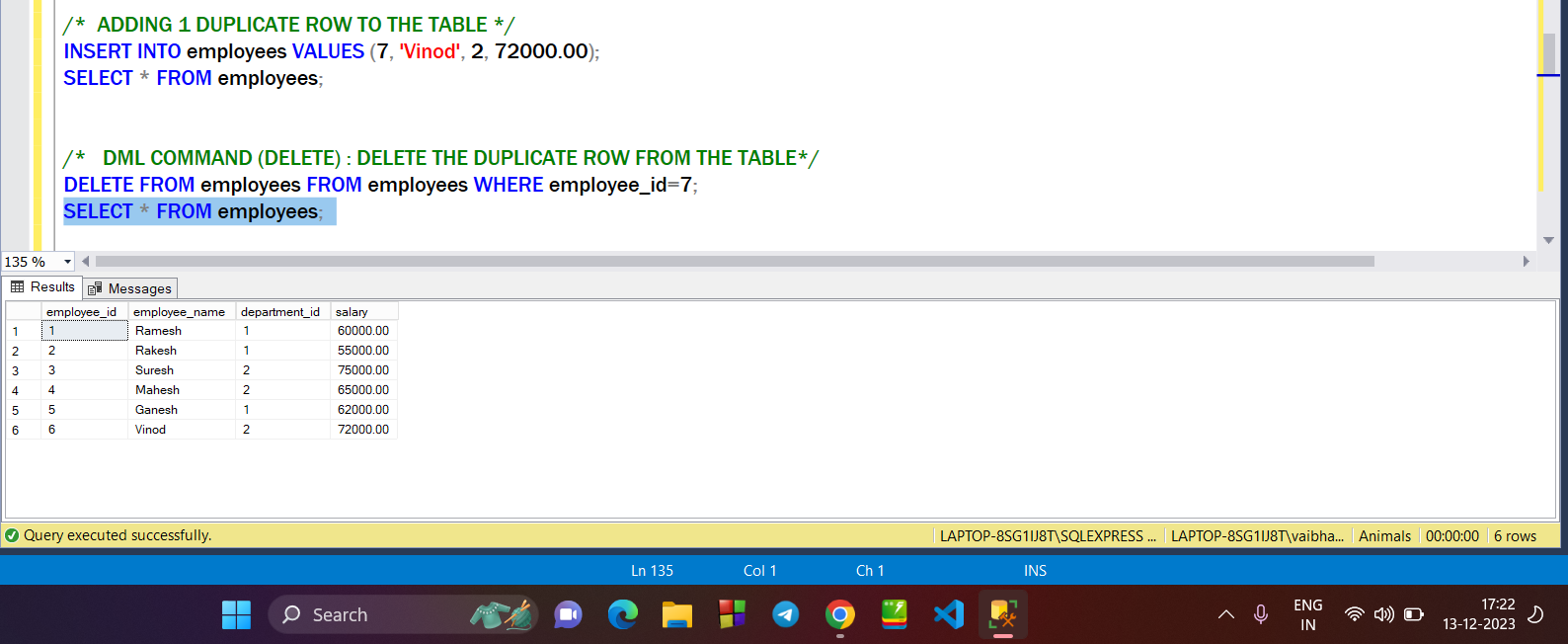
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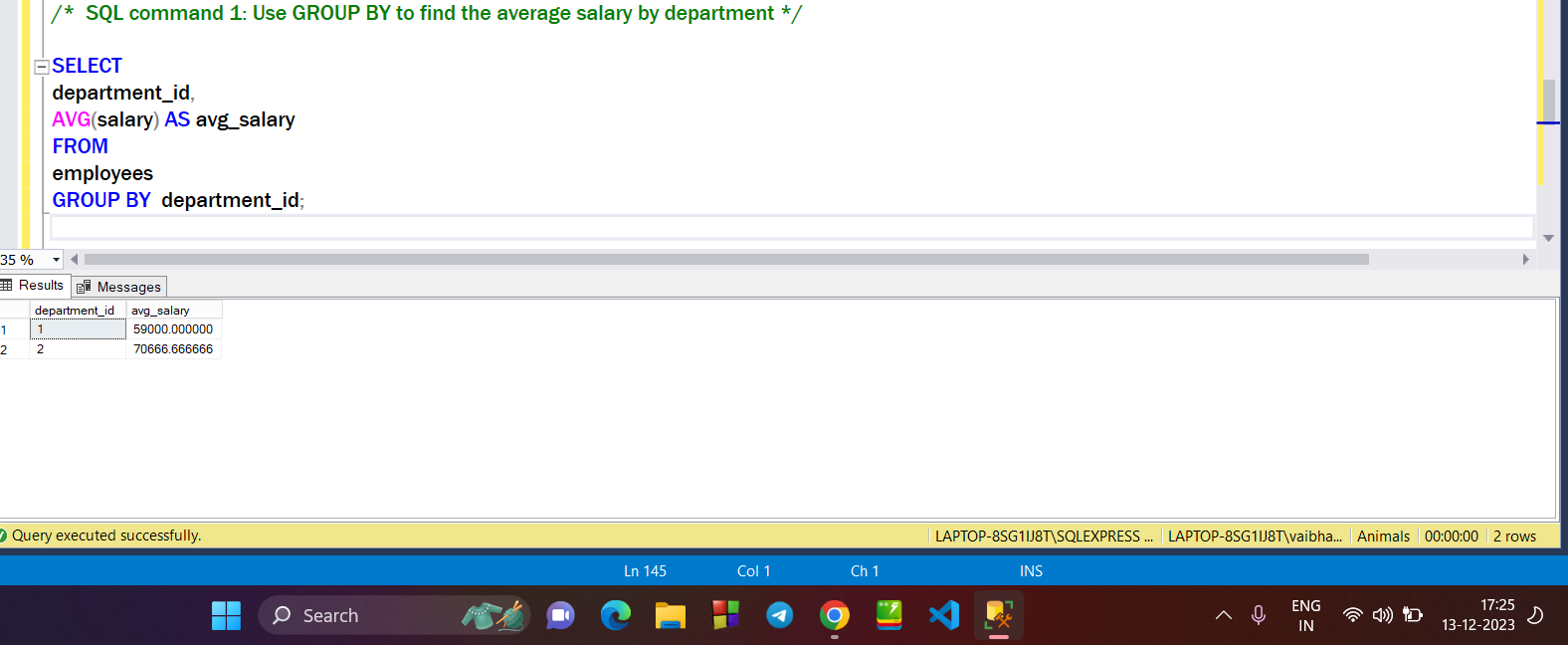
**→ DML COMMAND (UPDATE) : change the salary of Suresh :**

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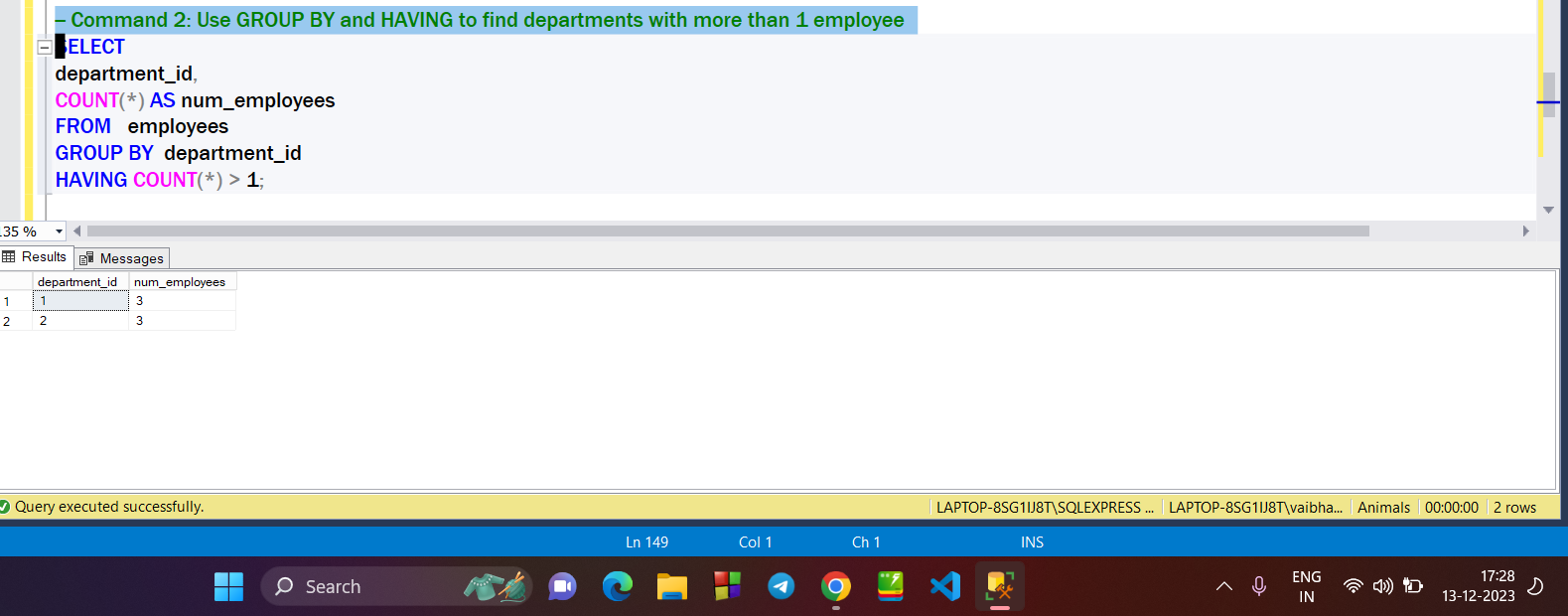
**→ DML COMMAND (DELETE) : Adding a duplicate value and deleting it from the table:**

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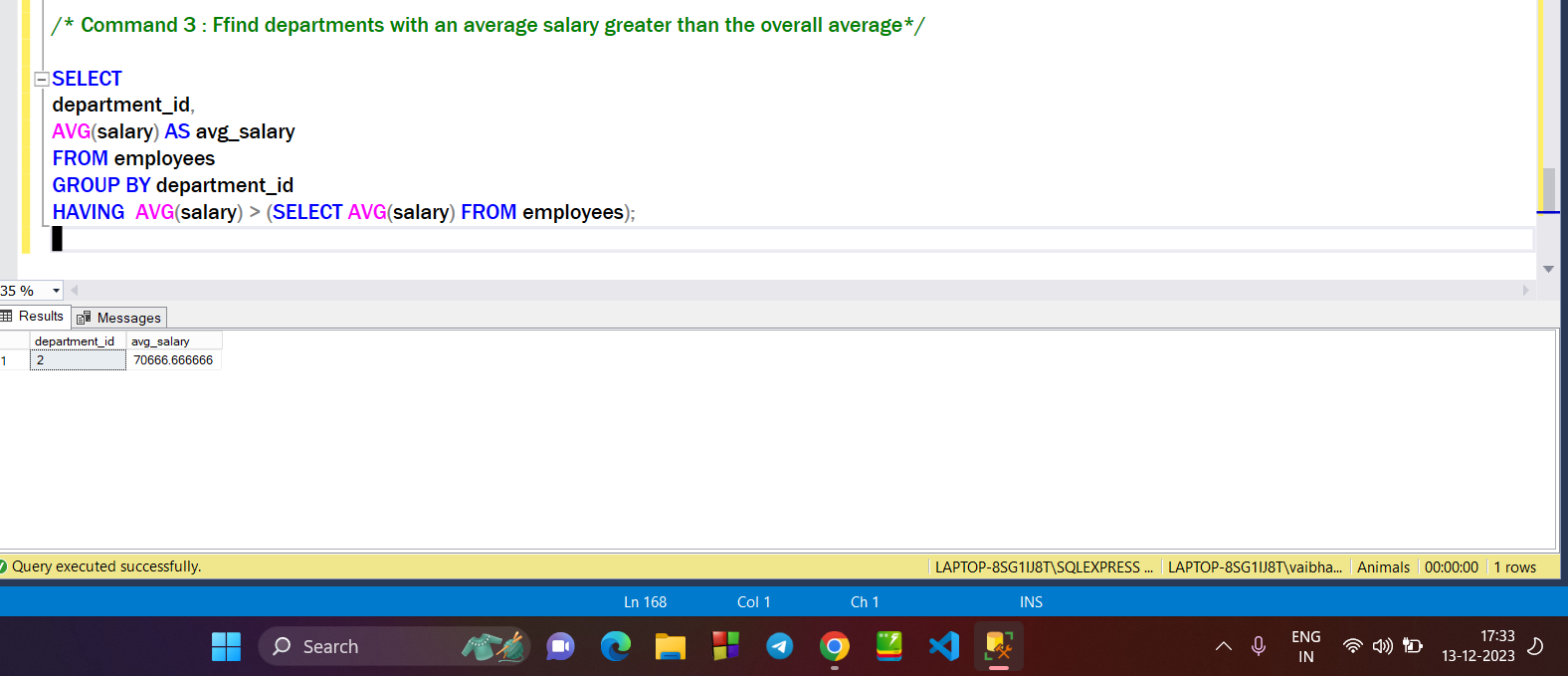
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**→ Using *GROUP\_BY* Clause to find the *Average salary* based on department id : **

**→ Using *GROUP\_BY & HAVING* Clause to find the *departments HAVING more then 1 employee* :**

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**→ Find the department\_id of departments having average salary greater then the overall average salary :**

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