Problem Statement 1:

1. Data Transformation Challenge

Objective:

- Enhance data transformation skills using advanced techniques.
- Master functions like SUM, MAX, MIN, data conversion, and derived columns.

Task:

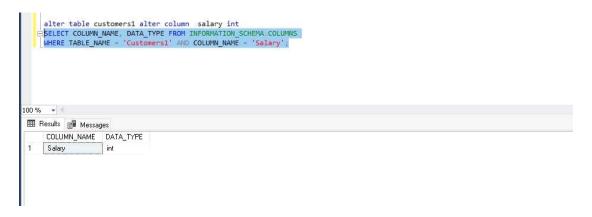
- 1. Continue with the sample dataset from Assignment 1.
- 2. Deepen your understanding of data transformation with these techniques:

1.Aggregate Functions: Utilize SUM to calculate total sales, MAX to find the highest product price, or MIN to identify the lowest customer order value.

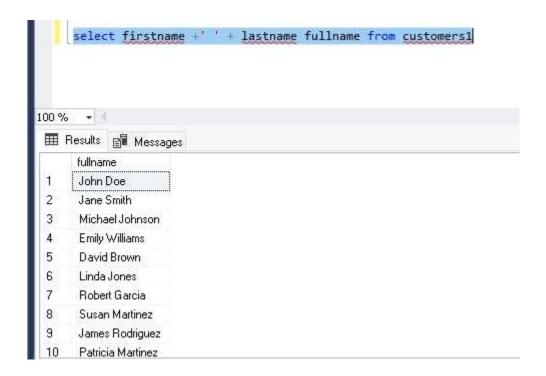




2.Data Conversion: Convert data types (e.g., VARCHAR to INT) if necessary for calculations.



3. Derived Columns: Create new columns based on existing data (e.g., calculate profit margin based on sale price and cost).



4. Conditional Split: Split a single column into multiple columns based on specific criteria (e.g., separate a "full name" column into "first name" and "last name").

