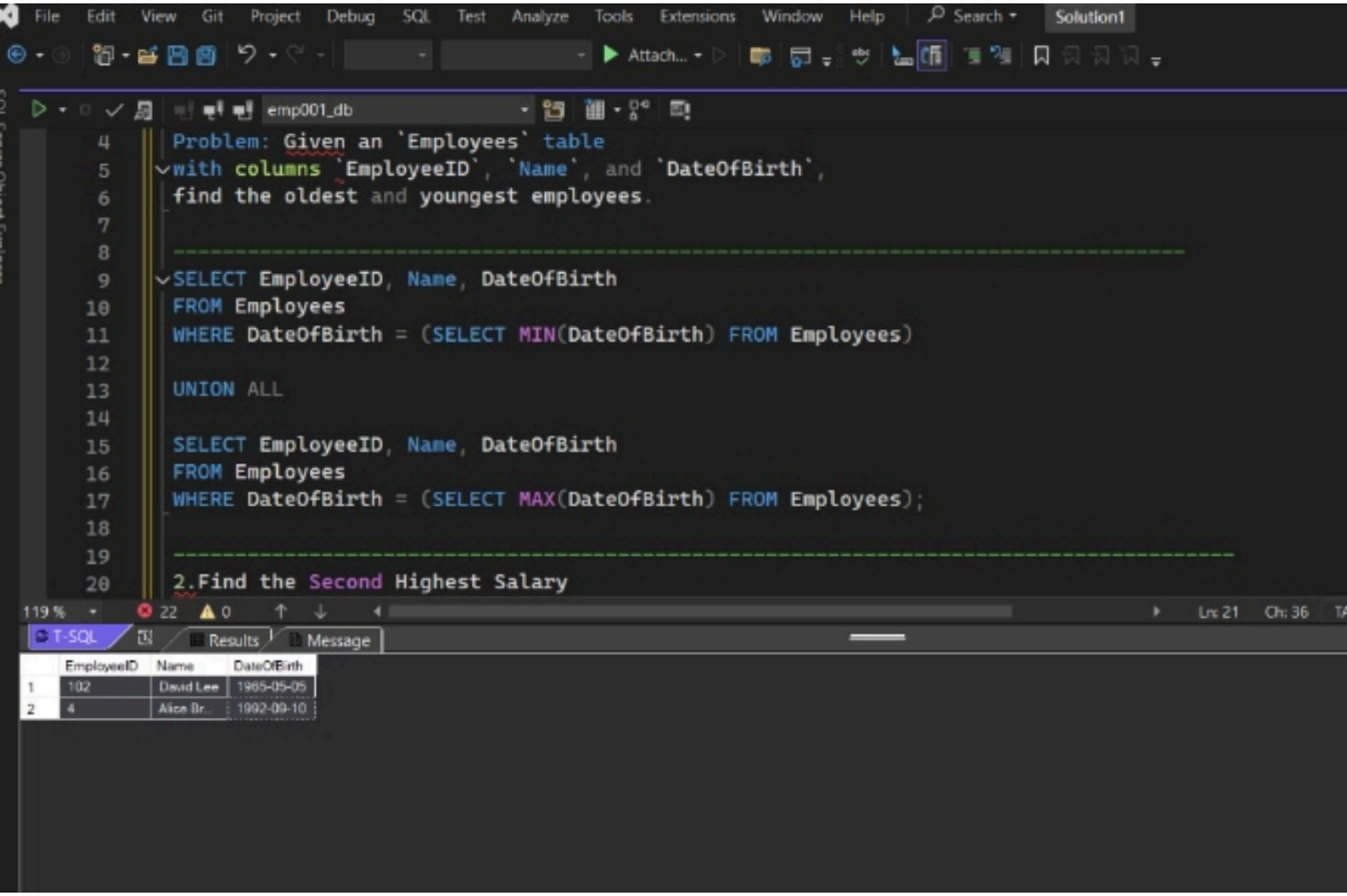
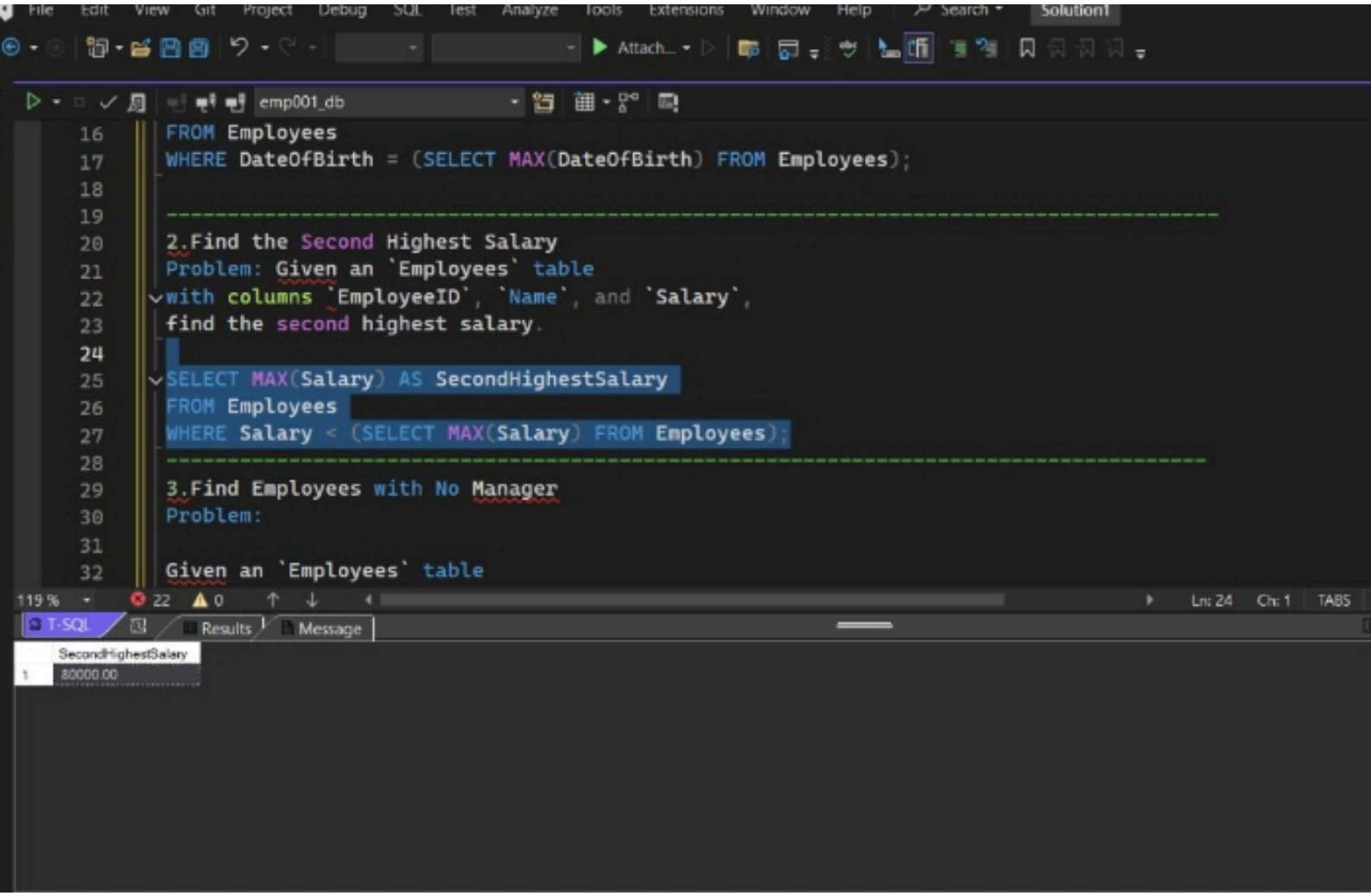

File Edit View Git Project Debug SQL Test Analyze Tools Extensions Window Help Search Solution1
Attach...
emp001_db
Problem: Given an `Employees` table
with columns `EmployeeID`, `Name`, and `DateOfBirth`,
find the oldest and youngest employees.
SELECT EmployeeID, Name, DateOfBirth
FROM Employees
WHERE DateOfBirth = (SELECT MIN(DateOfBirth) FROM Employees)
UNION ALL
SELECT EmployeeID, Name, DateOfBirth
FROM Employees
WHERE DateOfBirth = (SELECT MAX(DateOfBirth) FROM Employees);
2.Find the Second Highest Salary
119 %
22
0
Ln: 21
Ch: 36
T-SQL
Results
Message
EmployeeID
Name
DateOfBirth
1
102
David Lee
1965-05-05
2
4
1992-09-10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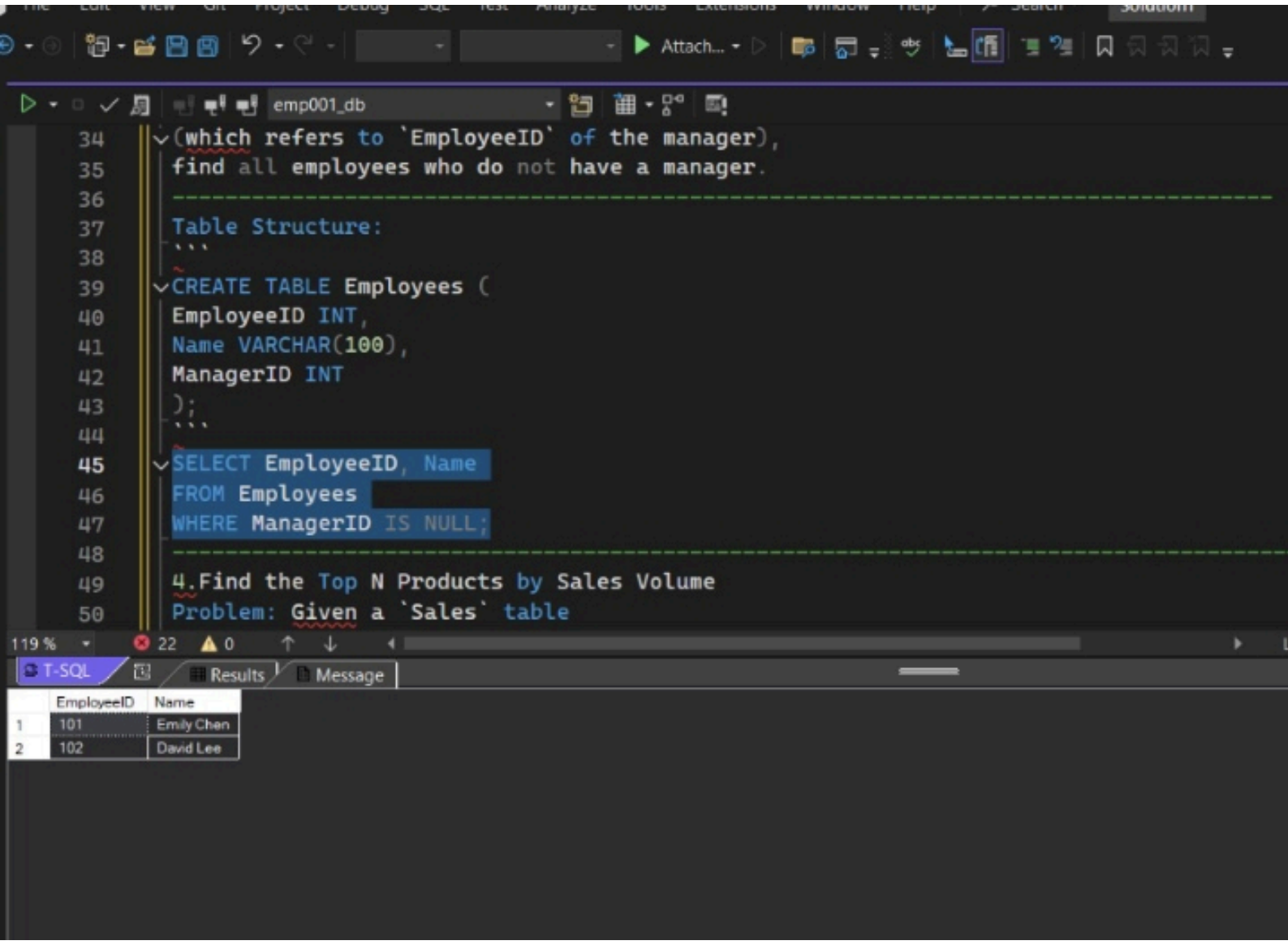
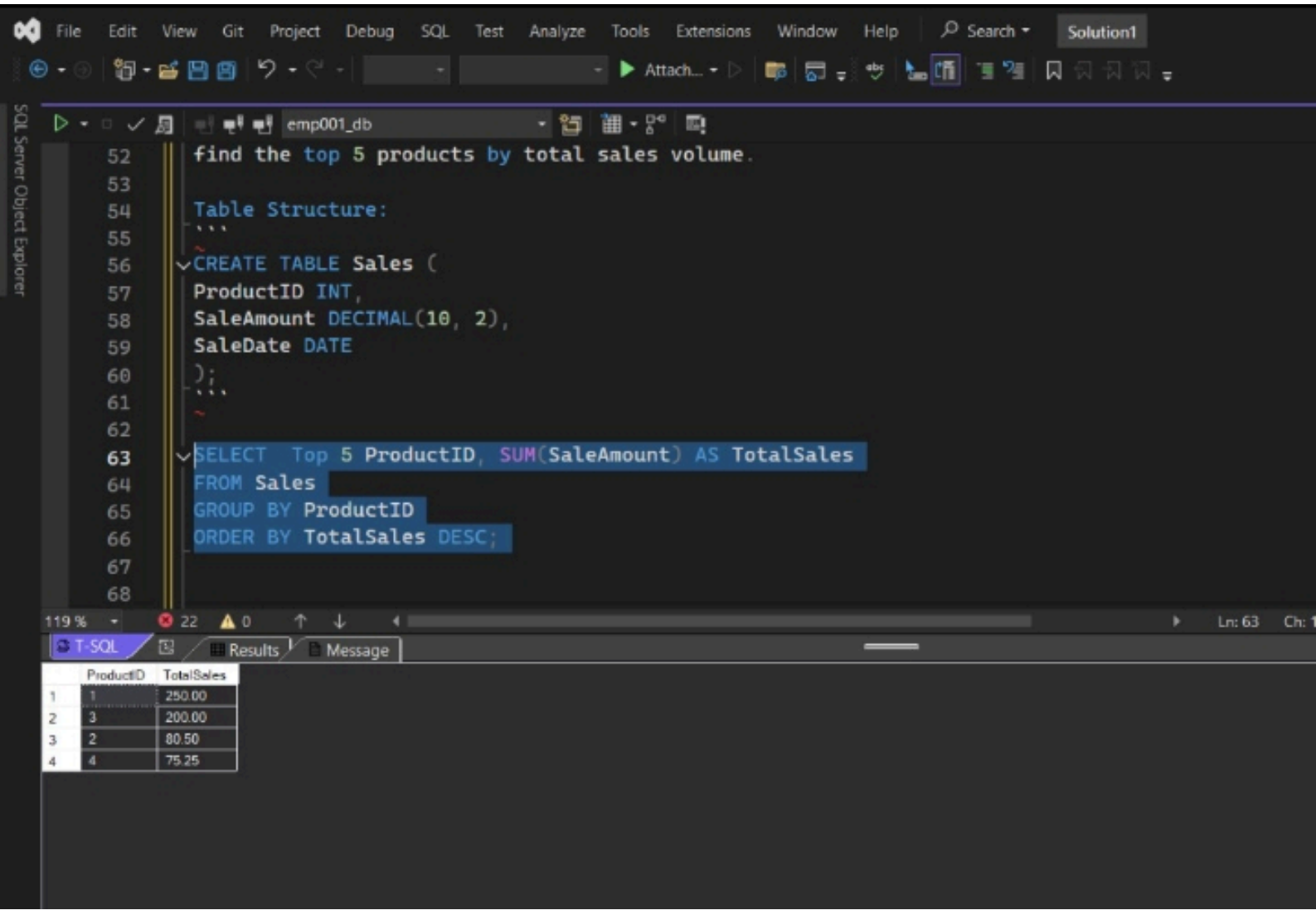
Attach...
emp001_db
FROM Employees
WHERE DateOfBirth = (SELECT MAX(DateOfBirth) FROM Employees);
2.Find the Second Highest Salary
Problem: Given an `Employees` table
with columns `EmployeeID`, `Name`, and `Salary`,
find the second highest salary.
SELECT MAX(Salary) AS SecondHighestSalary
FROM Employees
WHERE Salary < (SELECT MAX(Salary) FROM Employees);
3.Find Employees with No Manager
Problem:
Given an `Employees` table
119 %
22
0
Ln: 24
Ch: 1
TABS
T-SQL
Results
Message
SecondHighestSalary
1
80000.00


emp001_db
(which refers to `EmployeeID` of the manager),
find all employees who do not have a manager.
Table Structure:
```
CREATE TABLE Employees (
EmployeeID INT,
Name VARCHAR(100),
ManagerID INT
);
```
SELECT EmployeeID, Name
FROM Employees
WHERE ManagerID IS NULL;
4.Find the Top N Products by Sales Volume
Problem: Given a `Sales` table
119 %
22
0
T-SQL
Results
Message
EmployeeID
Name
1
101
Emily Chen
2
102
David Lee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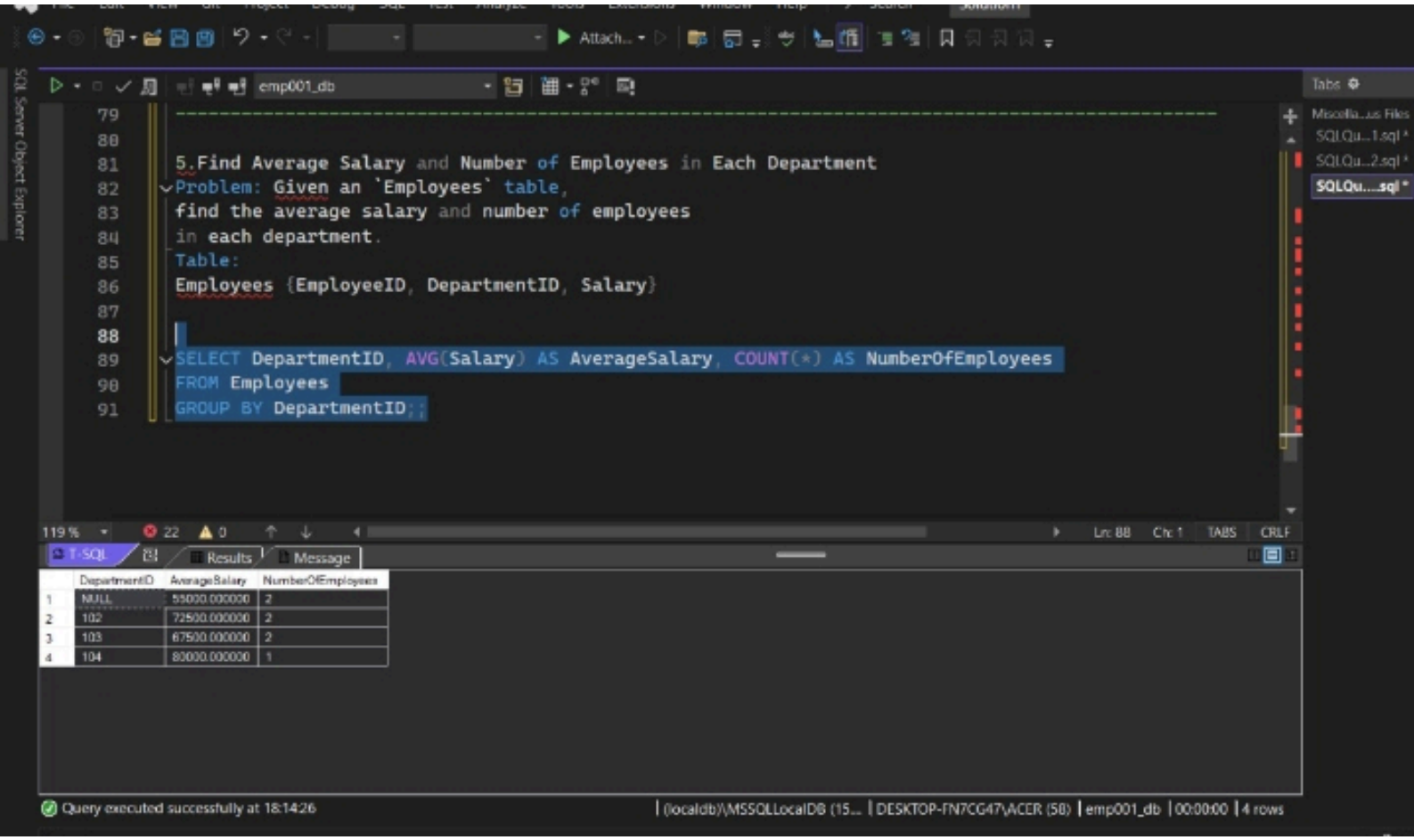
Search
Solution1
Attach...
SQL Server Object Explorer
emp001_db
find the top 5 products by total sales volume.
Table Structure:
```
CREATE TABLE Sales (
ProductID INT,
SaleAmount DECIMAL(10, 2),
SaleDate DATE
);
```
SELECT Top 5 ProductID, SUM(SaleAmount) AS TotalSales
FROM Sales
GROUP BY ProductID
ORDER BY TotalSales DESC;
119 %
22
0
Ln: 63
T-SQL
Results
Message
ProductID TotalSales
1 1 250.00
2 3 200.00
3 2 80.50
4 4 75.25


emp001_db
79 ----------
80
81 5.Find Average Salary and Number of Employees in Each Department
82 Problem: Given an `Employees` table,
83 find the average salary and number of employees
84 in each department.
85 Table:
86 Employees {EmployeeID, DepartmentID, Salary}
87
88
89 SELECT DepartmentID, AVG(Salary) AS AverageSalary, COUNT(*) AS NumberOfEmployees
90 FROM Employees
91 GROUP BY DepartmentID;;
119 %
22
0
Ln: 88
Ch: 1
TABS
CRLF
T-SQL
Results
Message
DepartmentID AverageSalary NumberOfEmployees
1 NULL 55000.000000 2
2 102 72500.000000 2
3 103 67500.000000 2
4 104 80000.000000 1
Query executed successfully at 18:14:26
(localdb)\MSSQLLocalDB (15... | DESKTOP-FN7CG47\ACER (58) | emp001_db | 00:00:00 | 4 rows