Name: Shivani Arora

Email: shivani2k23temp@gmail.com

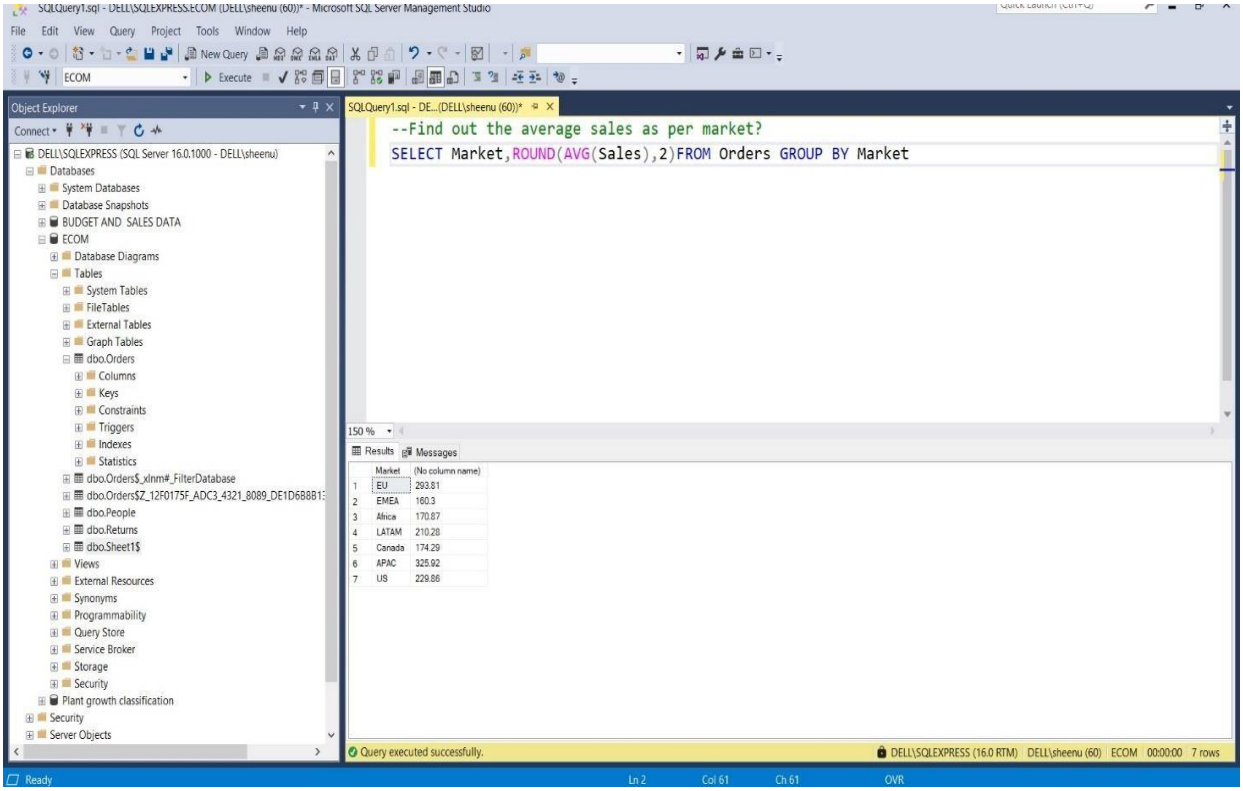
SQL PROJECT

Dataset: Ecom Data

Management Tool: SSMS

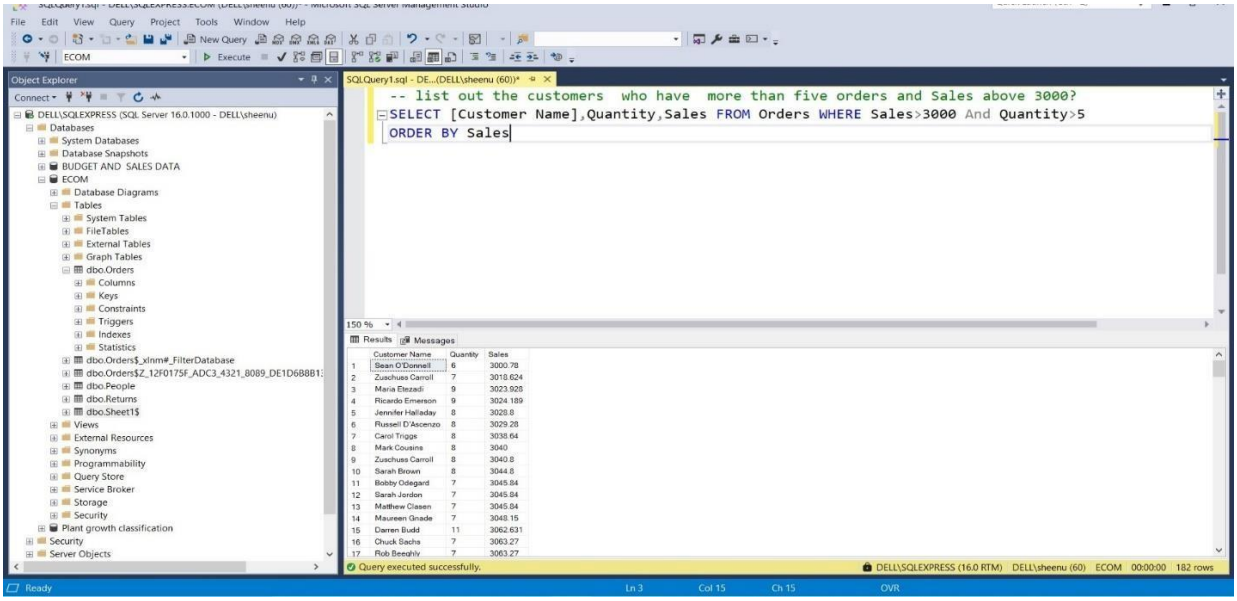
Q1. Find out the average sales as per market?

Ans. SELECT Market, ROUND(AVG(Sales),2) FROM Orders GROUP BY Market;



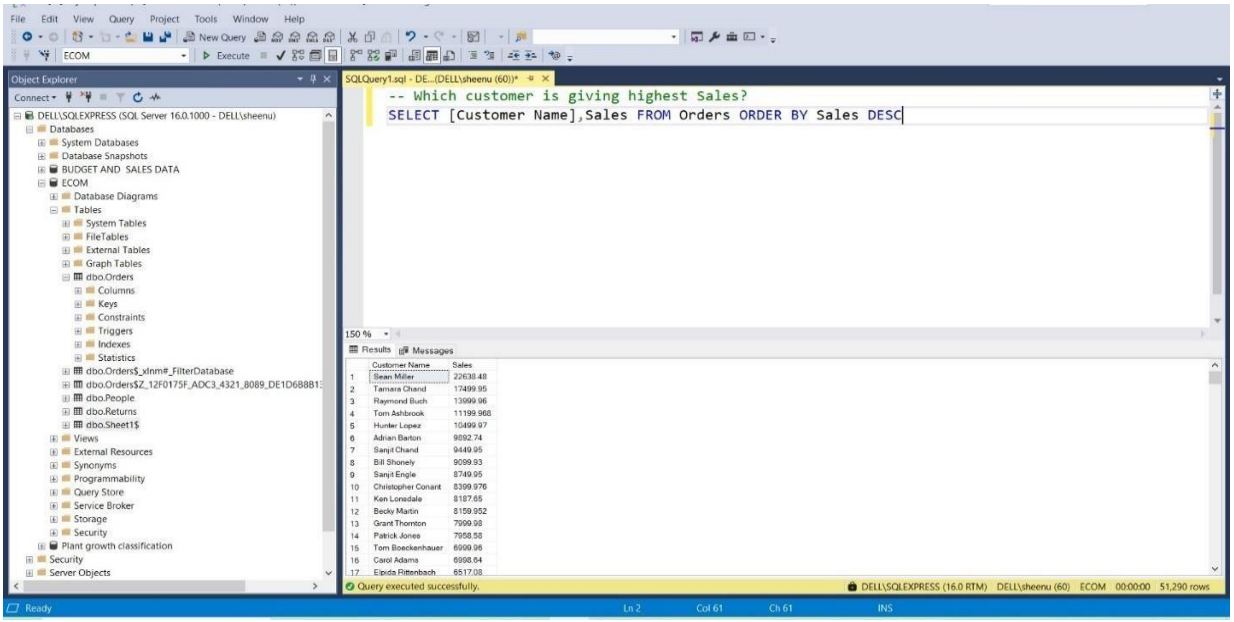
Q2. List out the customers who have more than five orders and Sales above 3000?

Ans: SELECT [Customer Name], Quantity, Sales FROM Orders WHERE Sales > 3000 AND Quantity >5 ORDER BY Sales;



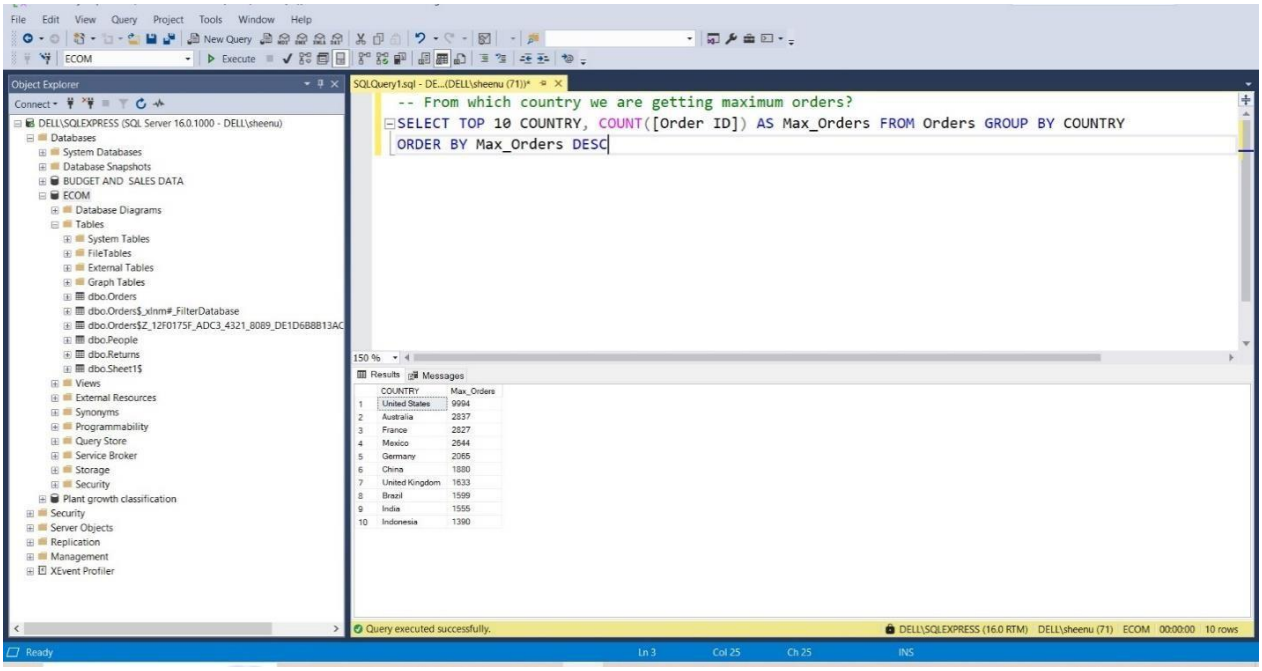
Q3: Which customer is giving highest sales?

Ans: SELECT [Customer Name], Sales FROM Orders ORDER BY Sales DESC;



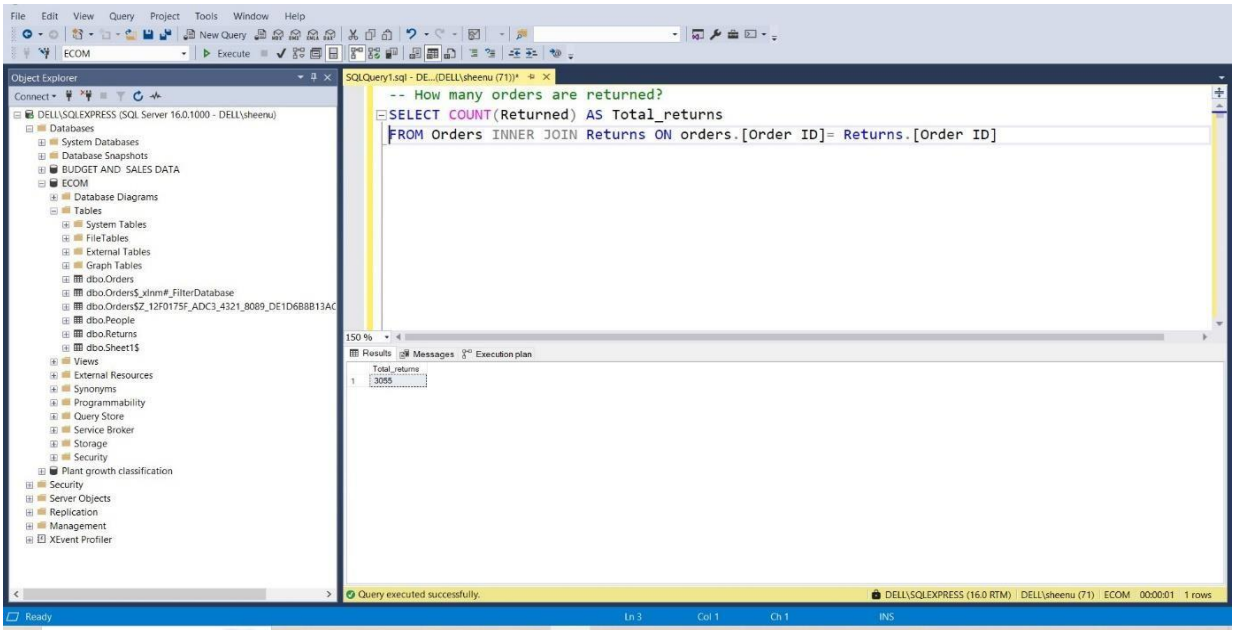
Q4: From which country we are getting maximum orders?

Ans: SELECT TOP 10 COUNTRY, COUNT [Order ID] AS Max_Orders FROM Orders GROUP BY Country ORDER BY Max_Orders DESC;



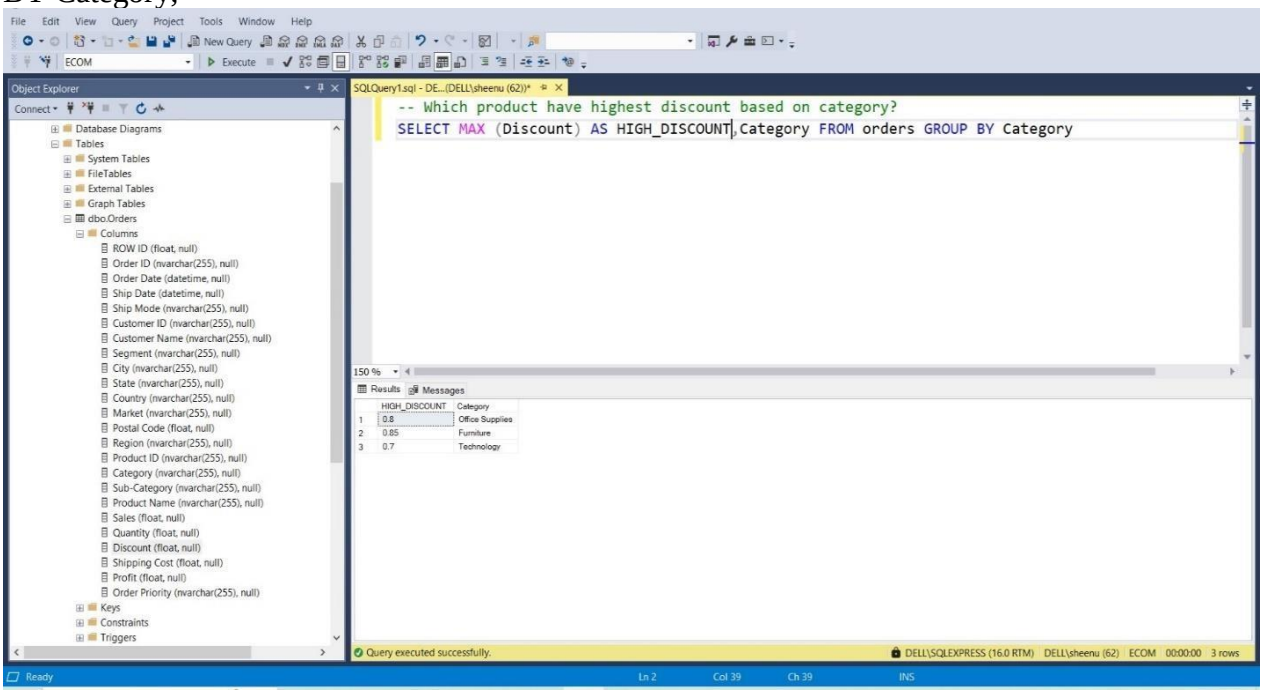
Q5: How many orders are returned?

Ans: SELECT COUNT(Returned)AS Total_returns FROM Orders INNER JOIN Returns ON Orders. [Order ID] = Returns. [Orders ID];



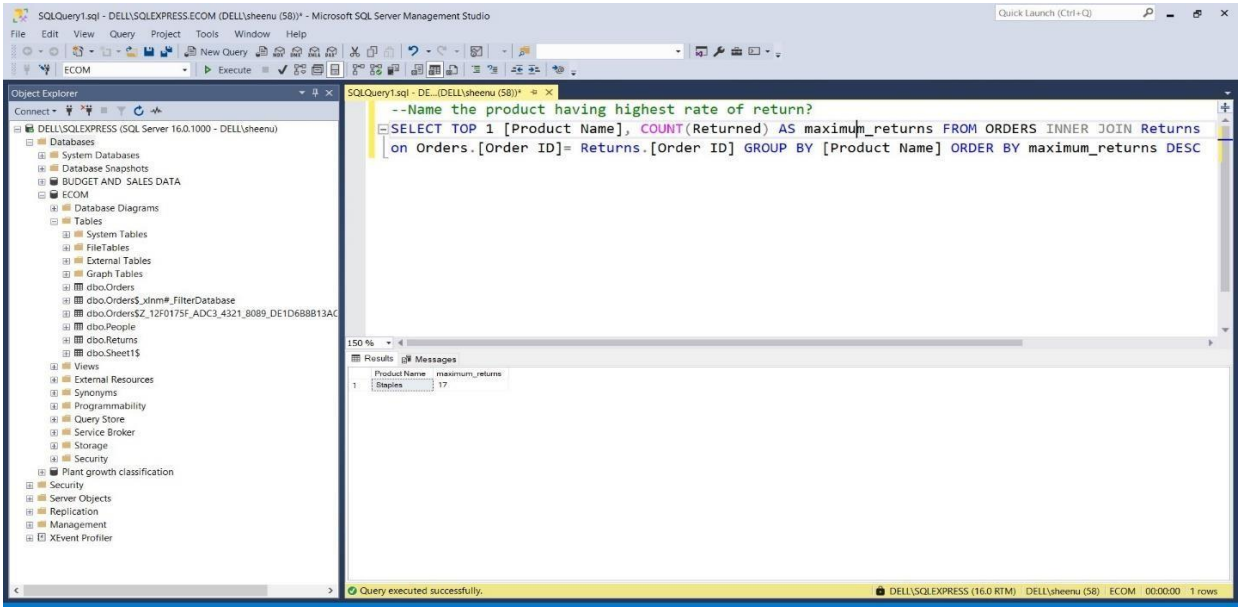
Q6: Which product have highest discount based on category?

Ans: SELECT MAX(DISCOUNT) AS HIGH_DISCOUNT, Category FROM Orders GROUP BY Category;



Q7: Name the product having the highest rate of return?

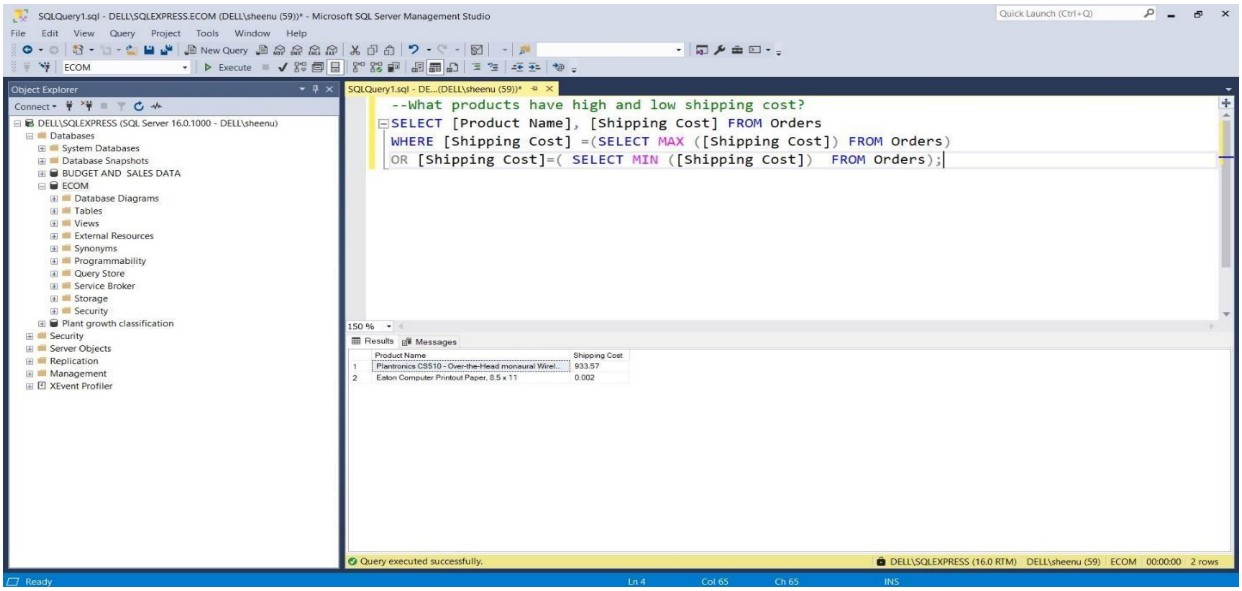
Ans: SELECT TOP 1[Product Name], (Returned) AS maximum_returns FROM Orders INNER JOIN Returns ON Orders. [Order Id] =Returns. [Order Id] GROUP BY [Product Name] ORDER BY maximum_returns DESC



Q8: What products have high and low shipping cost?

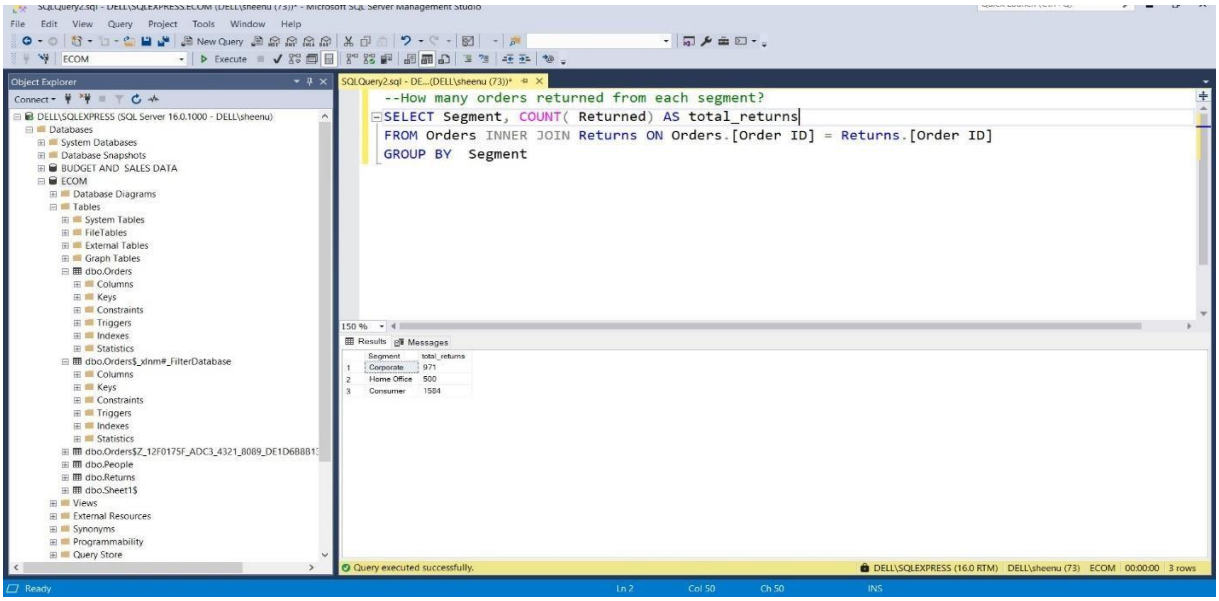
Ans: SELECT [Product Name], [Shipping Cost] FROM Orders
WHERE [Shipping Cost] = (SELECT MAX ([Shipping Cost]) FROM Orders)

OR [Shipping Cost] = (SELECT MIN ([Shipping Cost]) FROM Orders);



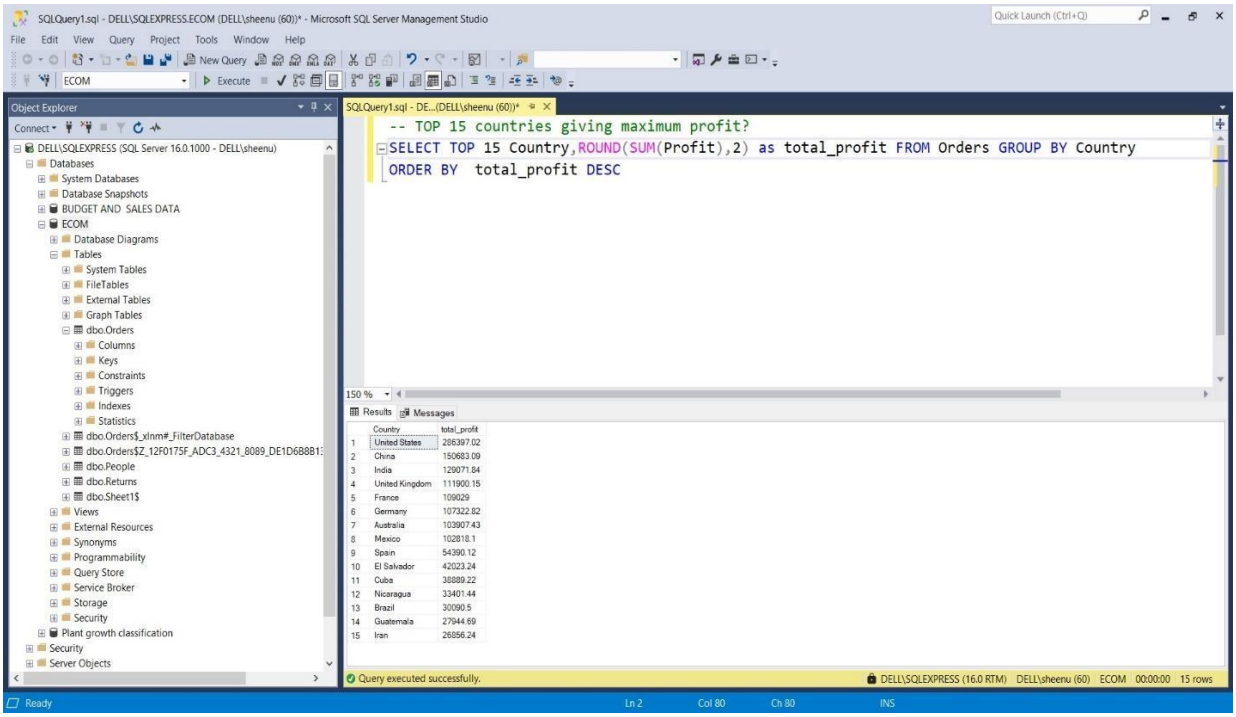
Q9: How many orders returned from each segment?

Ans: SELECT Segment, COUNT(Returned) AS Total_returns FROM Orders INNER JOIN Returns ON orders. [order Id] = Returns. [order ID] GROUP BY Segment;



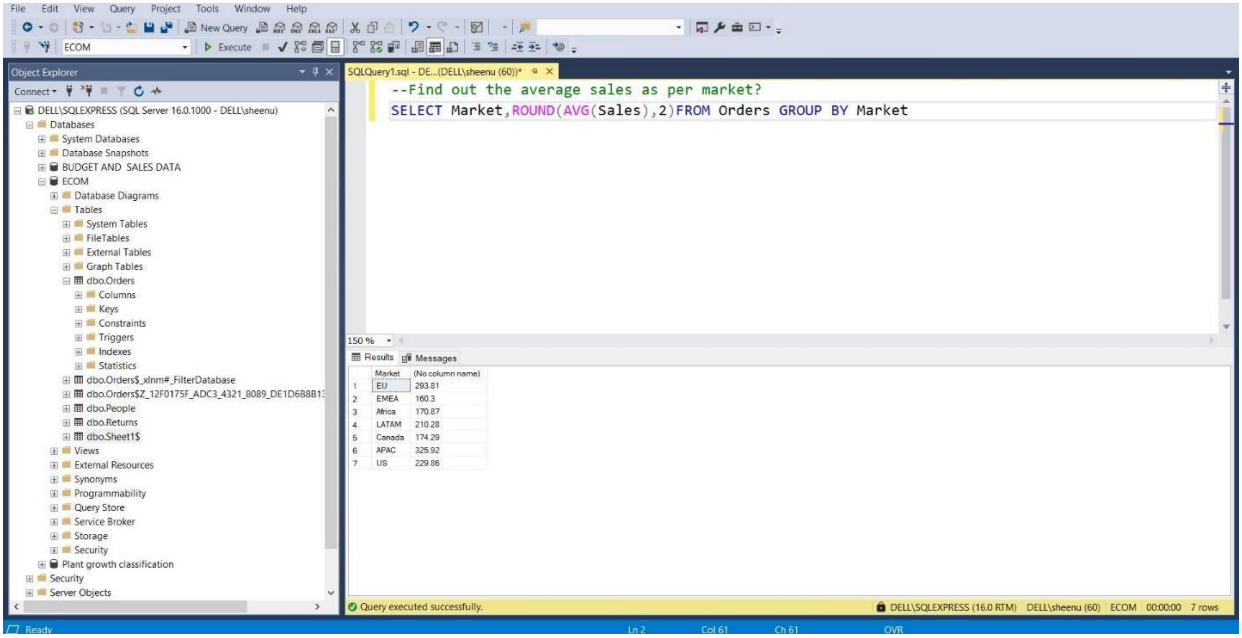
Q10: Top 15 countries having maximum profit?

ANS: SELECT TOP 15 Country, ROUND(SUM(Profit),2) AS total_profit FROM orders GROUP BY Country ORDER BY total_profit DESC;



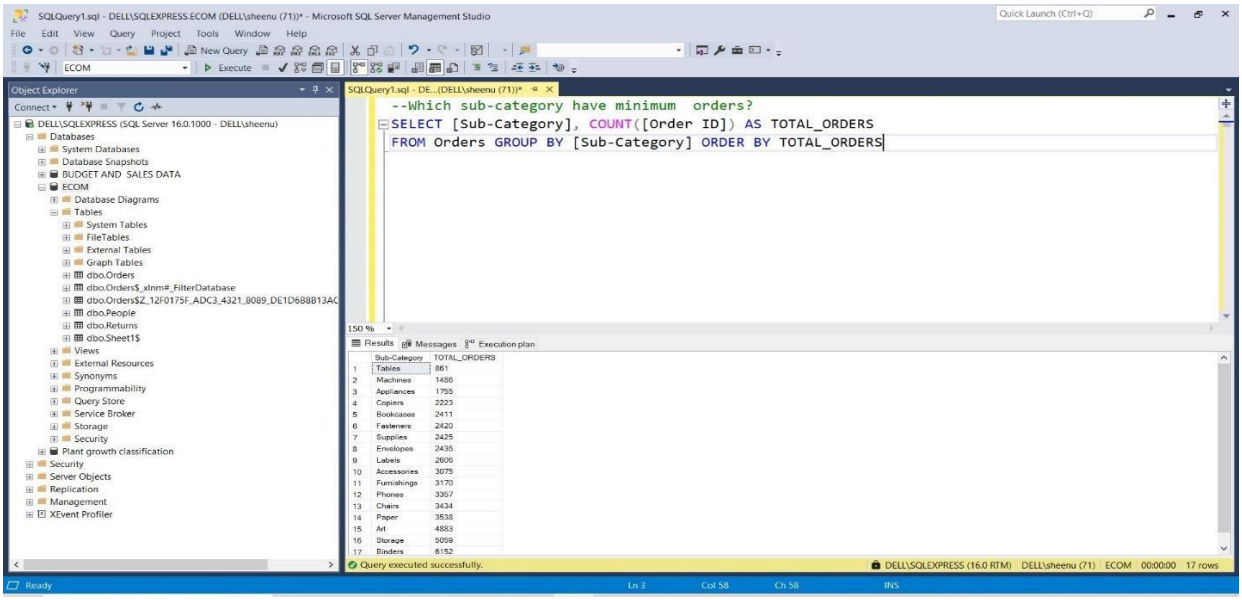
Q11: Find out the average sales as per market?

Ans: SELECT Market, ROUND(AVG(Sales), 2) FROM Orders GROUP BY Market;



Q12: Which sub category have minimum orders?

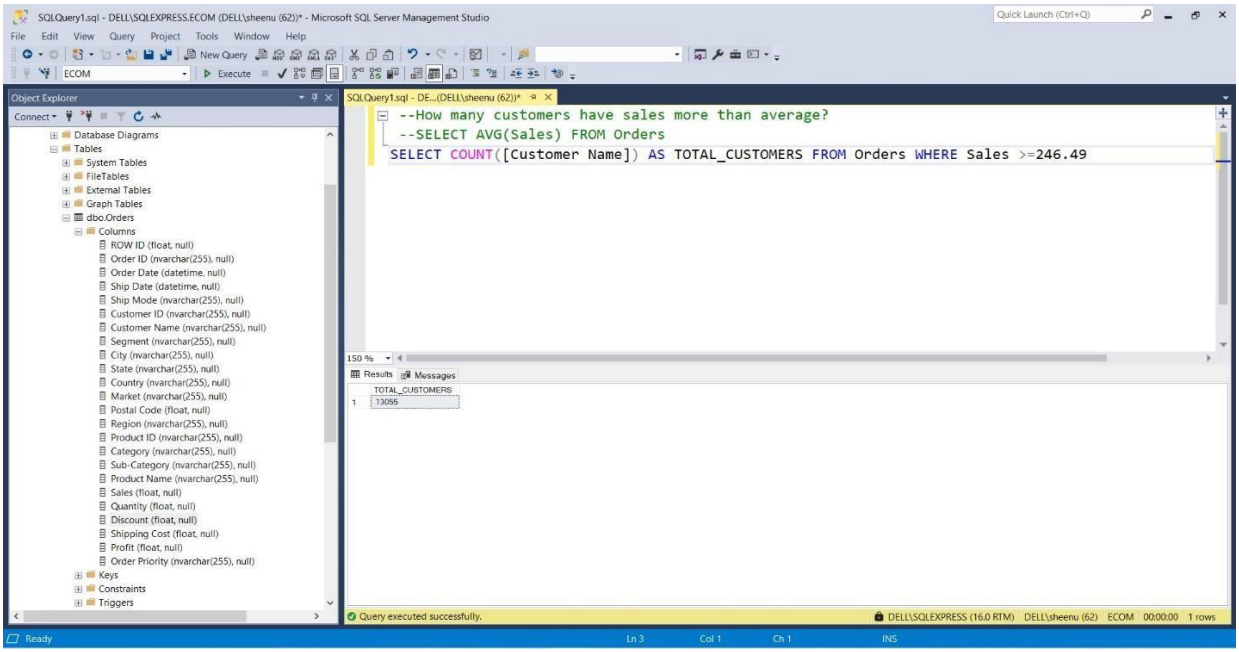
Ans: SELECT [Sub-Category], COUNT ([Order ID]) AS TOTAL_ORDERS FROM Orders GROUP BY [Sub-Category] ORDER BY TOTAL_ORDERS



Q13: How many customers have sales more than average?

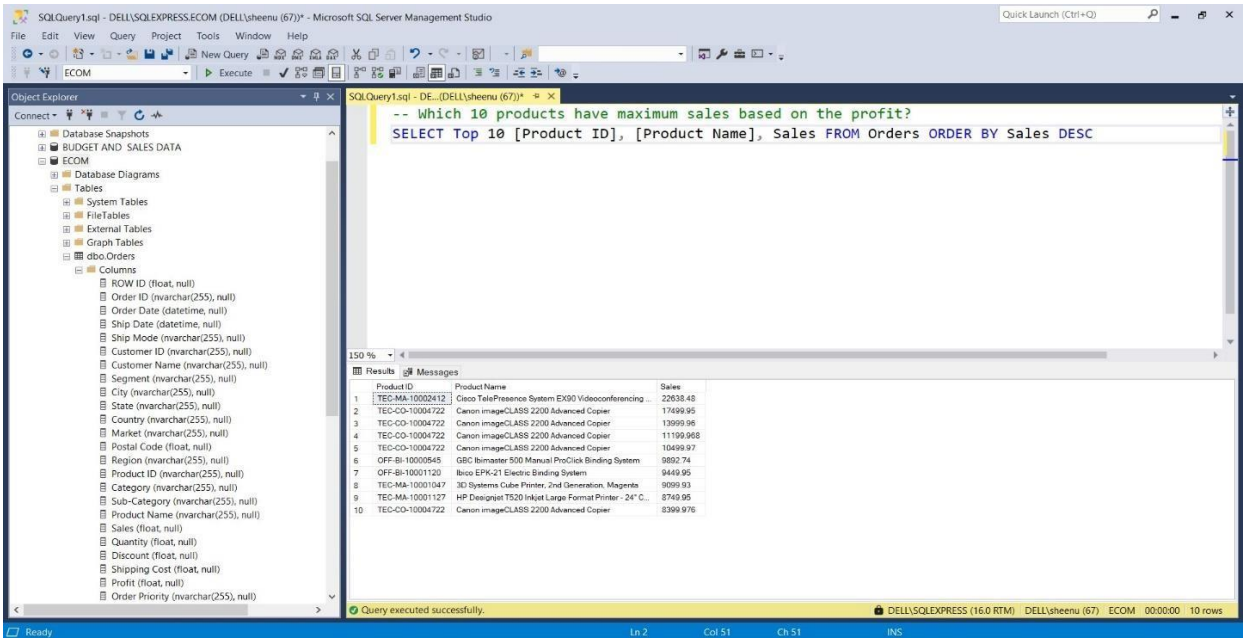
Ans: SELECT AVG (Sales) FROM ORDERS;

SELECT COUNT ([Customer Name]) AS TOTAL_CUSTOMERS FROM Orders WHERE Sales >=246.49



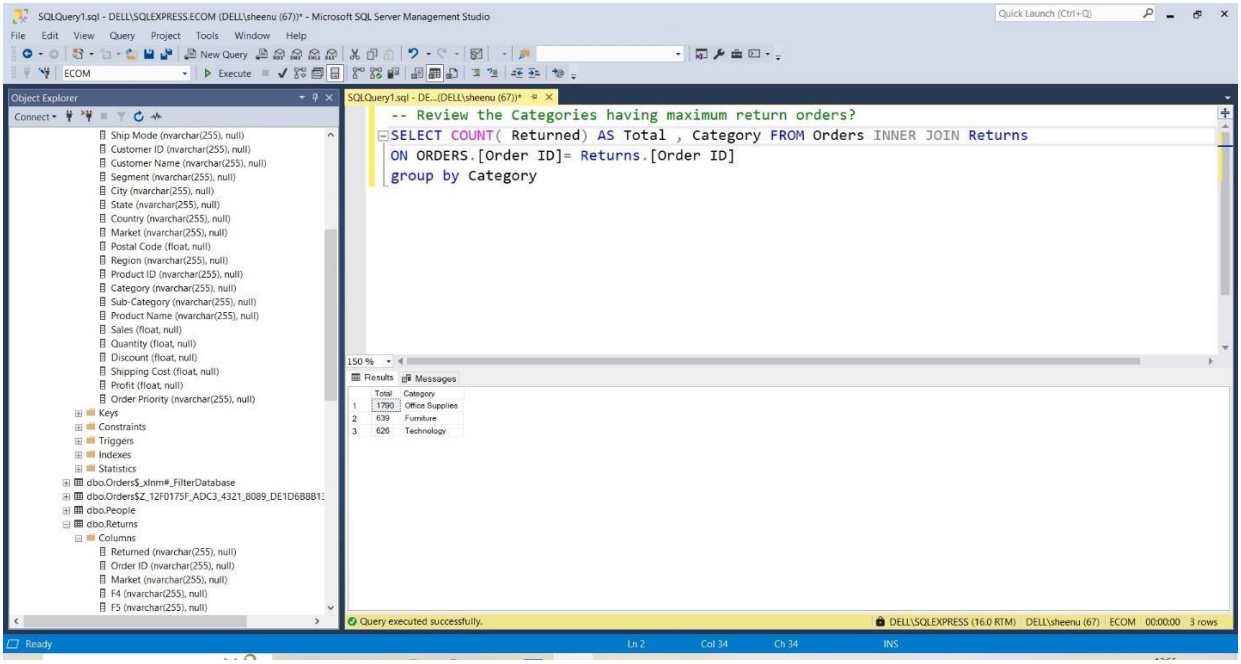
Q14: Which 10 products have maximum sales based on profit?

Ans: SELECT TOP 10 [Product ID], [Product Name], Sales FROM Orders ORDER BY Sales DESC;



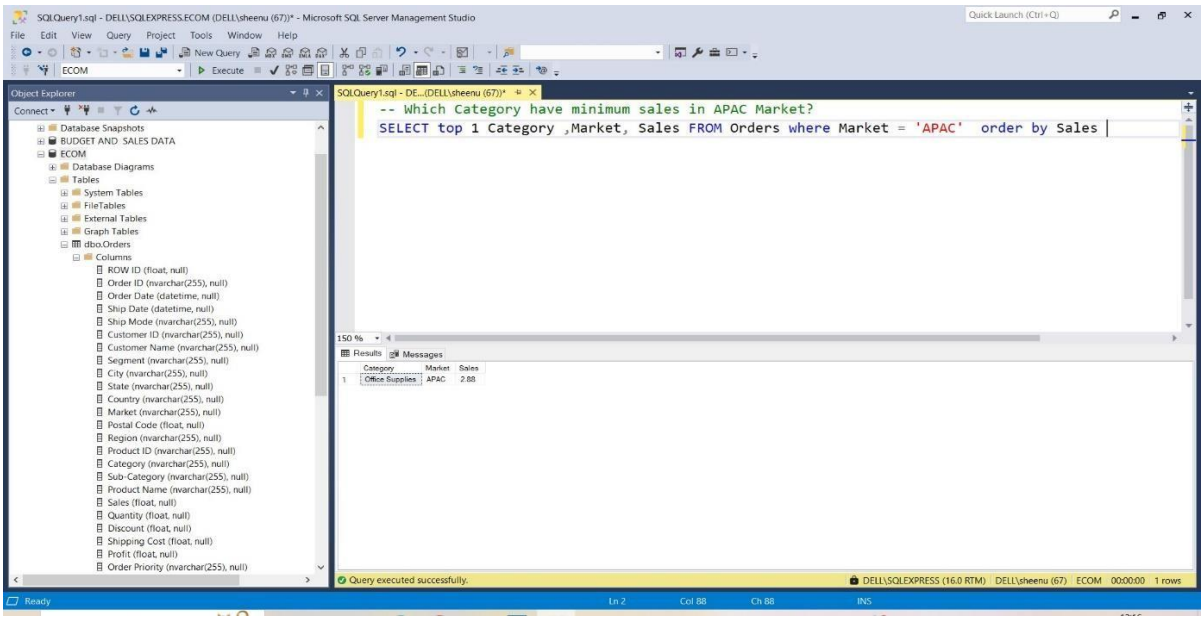
Q15: Review the categories having maximum return orders?

ANS: SELECT COUNT(Returned)AS TOTAL, Category FROM Orders INNER JOIN Returns ON Orders. [Order ID] = Returns. [Order ID] GROUP BY Category;



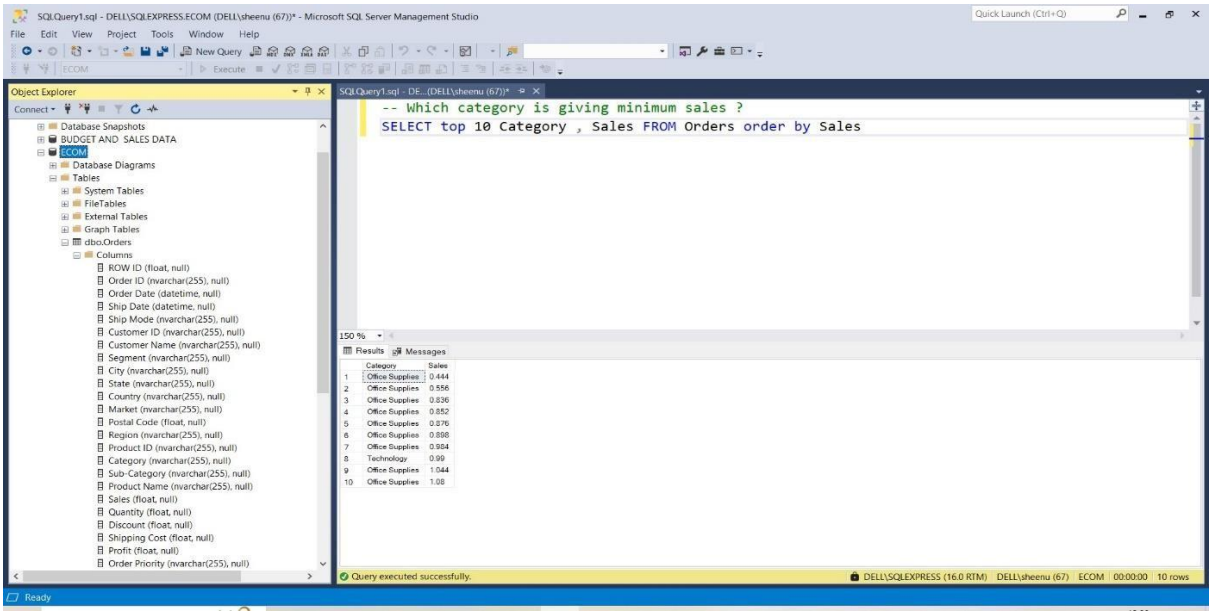
Q16: Which Category have minimum Sales in APAC market?

Ans: SELECT TOP 1 Category, Market, Sales FROM Orders WHERE Market = ‘APAC’ ORDER BY Sales;



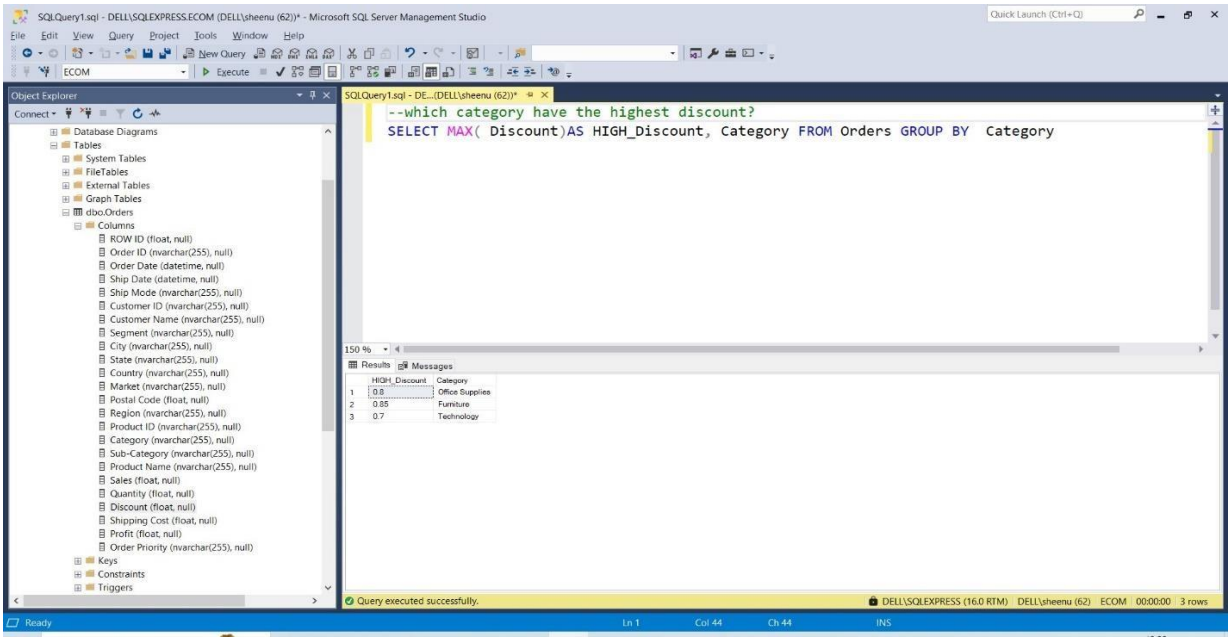
Q17: Which category is giving minimum Sales?

Ans: SELECT TOP 10 Category, Sales FROM Orders ORDER BY Sales;



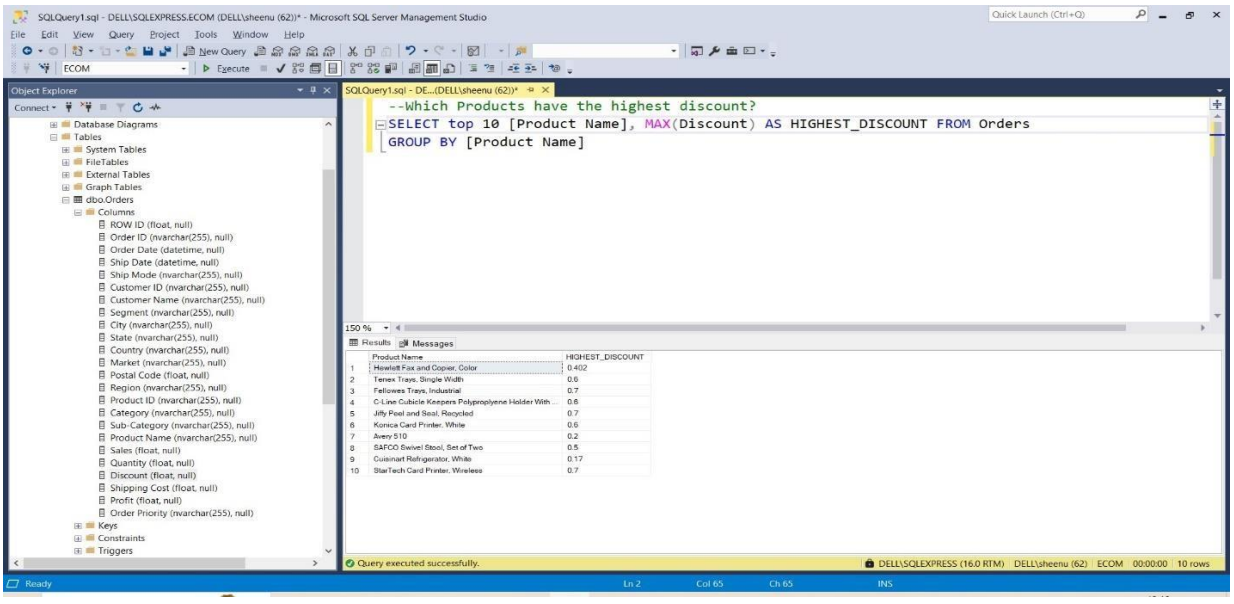
Q18: Which category have the highest discount?

Ans: SELECT MAX (Discount) AS HIGH_Discount, Category FROM Orders GROUP BY Category;



Q19: Which products have highest discount?

Ans: SELECT TOP 10 [Product Name] , MAX (Discount) AS HIGHEST_DISCOUNT FROM Orders GROUP BY [Product Name];



Q20: Calculate the total profit segment-wise?

Ans: SELECT Segment, SUM(Profit) AS Total_Profit FROM Orders Group BY Segment;