IST722—Data Warehouse
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Date – 7/14/2023

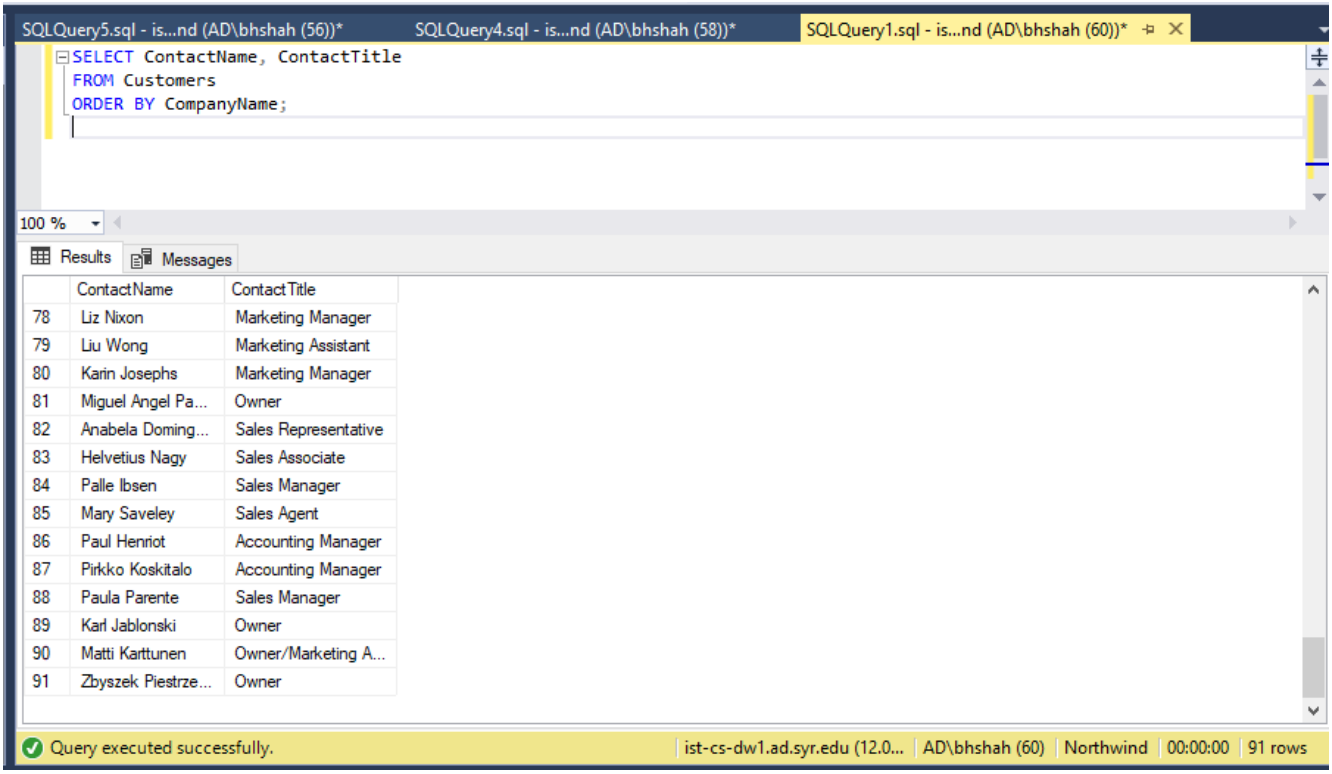
Assignment 01: Data Profiling

Profile the following table in the Northwind Traders database. The first two have been done for you in the previous part.

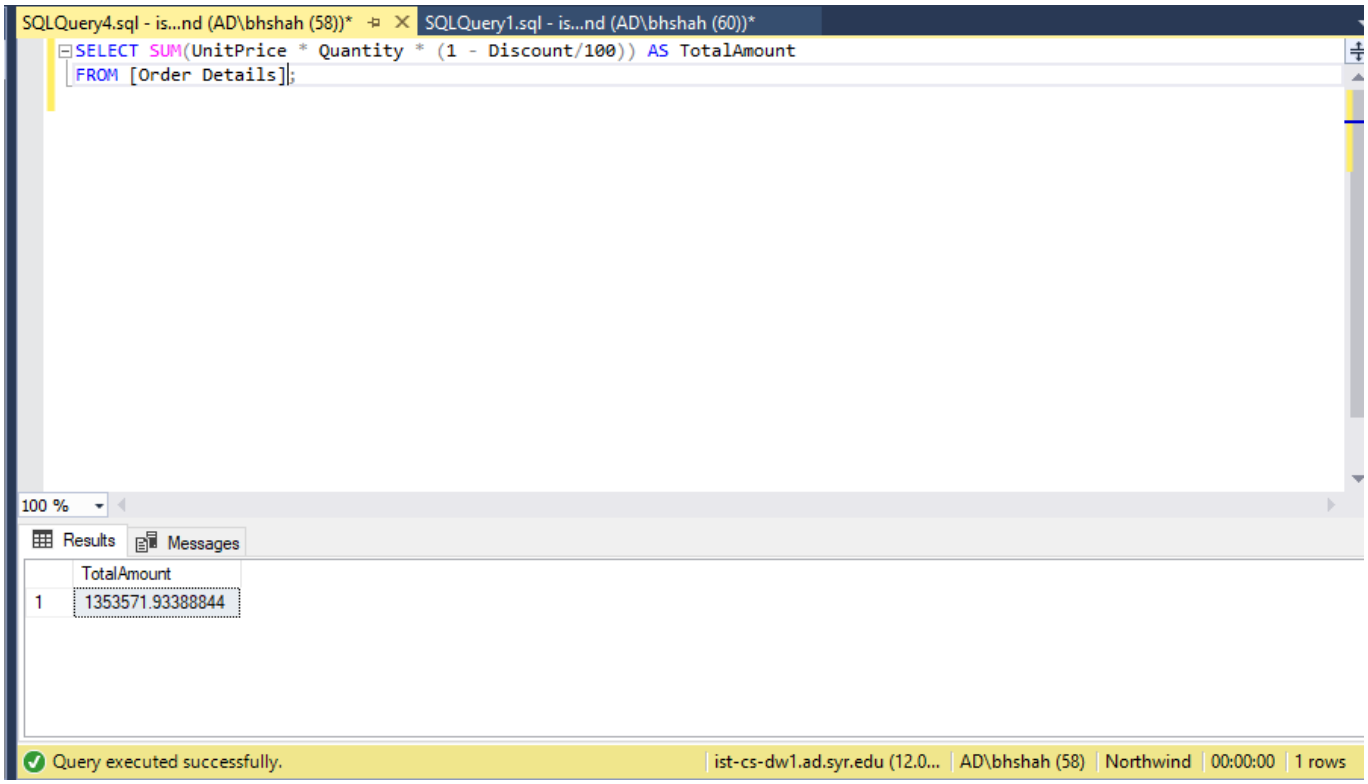
Table	Type	Row Count	PK(s) Used	One Row Is
Employees	Master Data	9	EmployeeID	An employee
EmployeeTerritories	Business Process	49	EmployeeID, TerritoryID	An employee assigned to a territory.
Customers	Master Data	91	CustomerID	A customer
Suppliers	Master Data	29	SupplierID	A supplier who supplies the product
Products	Master Data	77	ProductID	A product
Shipments (of Orders)	Business Process	830	ShipmentID, OrderID	A product shipped by the shipper to the customer.
Details (of an Order)	Business Process	2155	OrderID, ProductID	Detail of an order.

Write SQL queries to answer the following questions that might be associated with functional business requirements in a data warehouse. For each of the following provide a screenshot of the SQL query and its output, making sure your name or NetID appears in the screenshot.

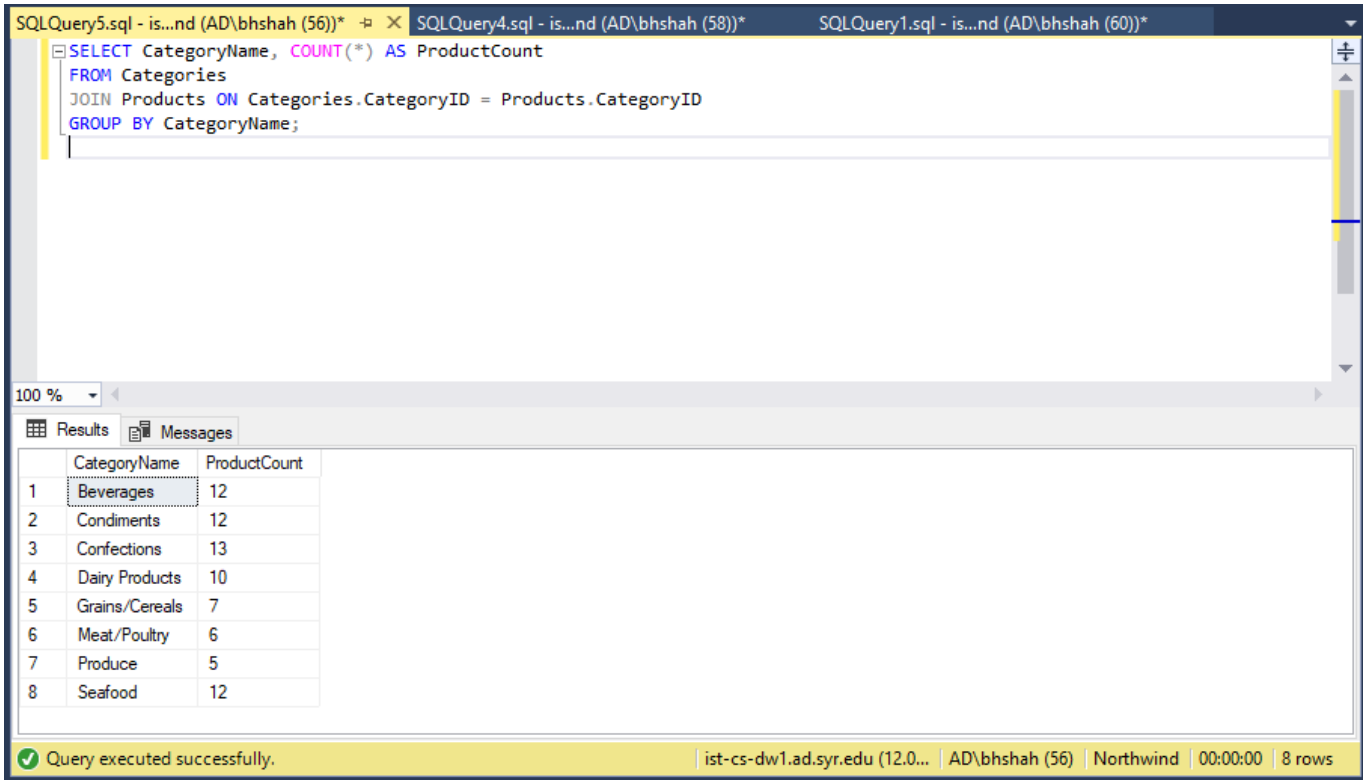
1. List the customer contact names and titles sorted by company name.



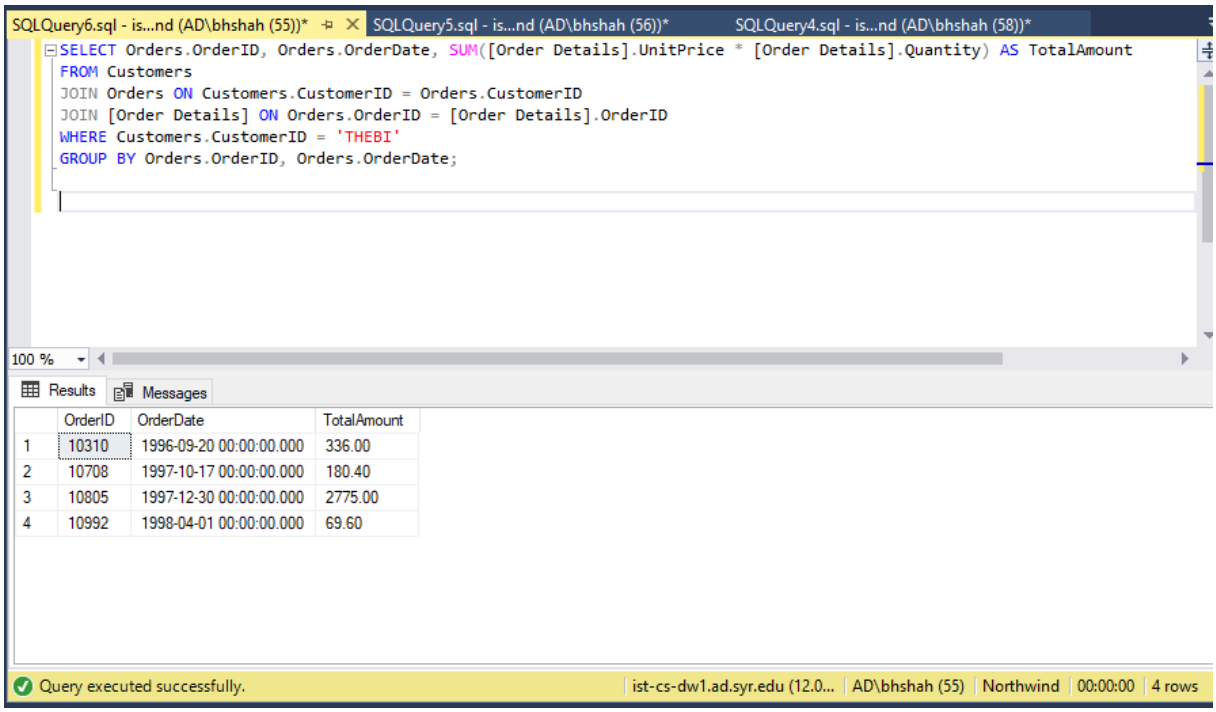
2. Factoring in discounts, what is total amount of product sold?



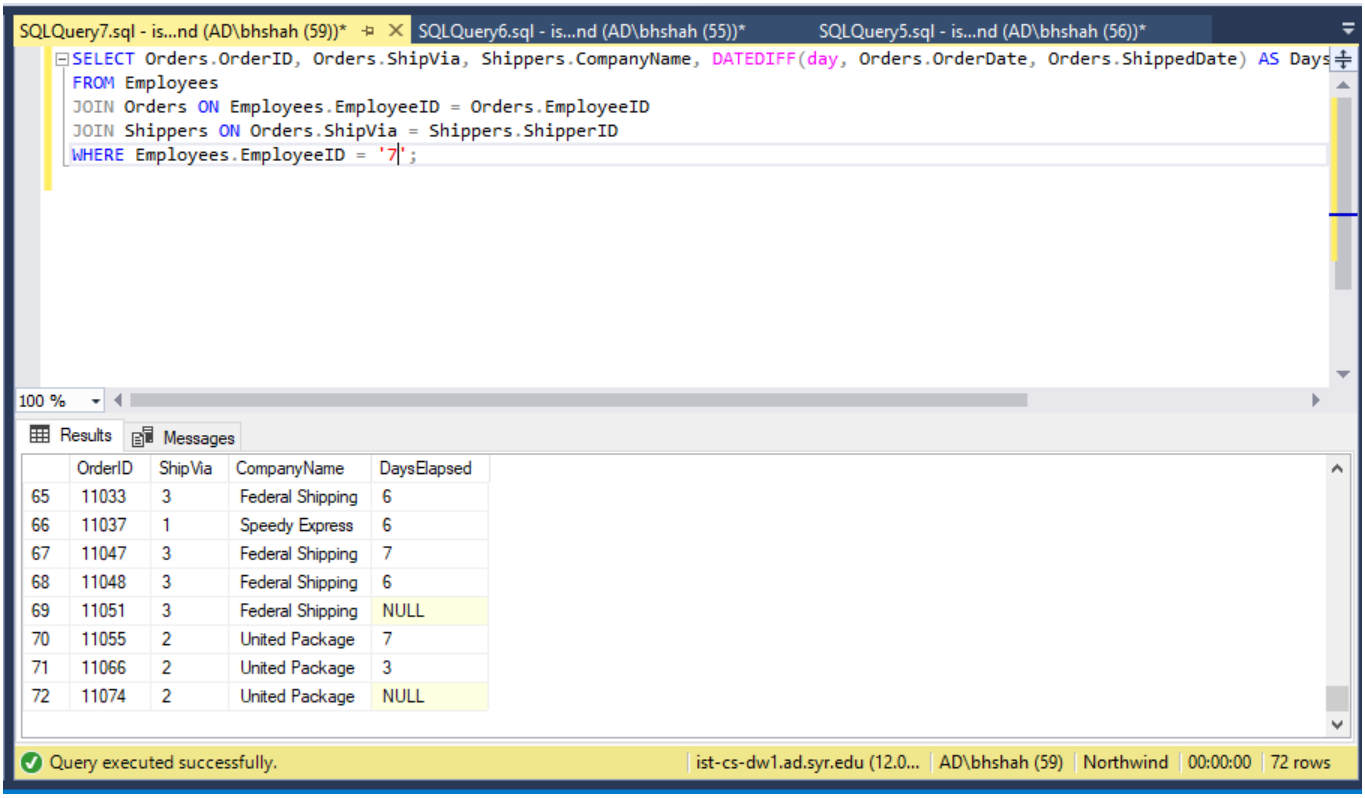
3. Provide a list of product category names with counts of products in each category.



4. Select a specific customer, and display that customer's orders with total amount of product sold for each order.



5. Select a specific employee and each order, how it was shipped (shipvia), the company who shipped it, and the total number of days elapsed from order date to shipped date.



	OrderID	ShipVia	CompanyName	DaysElapsed
65	11033	3	Federal Shipping	6
66	11037	1	Speedy Express	6
67	11047	3	Federal Shipping	7
68	11048	3	Federal Shipping	6
69	11051	3	Federal Shipping	NULL
70	11055	2	United Package	7
71	11066	2	United Package	3
72	11074	2	United Package	NULL