Homework 1

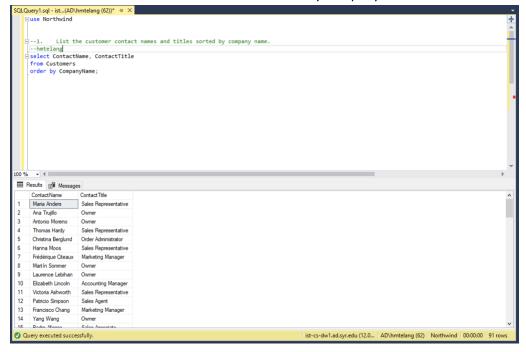
Name: Hrishikesh Telang

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

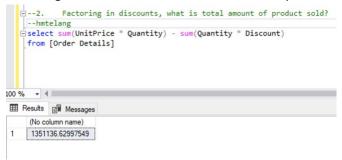
Table	Туре	Row Count	Business Key	One Row Is
Employees	Master Data	9	None (PK used)	An Employee
EmployeeTerritories	Business Process	49	None (PK's used)	An Employee assigned to a territory.
Customers	Master Data	91	CustomerID	A customer
Suppliers	Master Data	29	None (PK used)	A supplier
Products	Master Data	77	None (PK used)	Information about the product
Shipments (of Orders)	Business Process	3	None (PK used)	Shipments of Orders by the Customer
Details (of an Order)	Business Process	2,155	OrderID, ProductID	Other miscellaneous details of the product sold

Write SQL Queries to answer the following questions which might be associated with functional business requirements in a data warehouse. For each of the following provide a screen shot of the SQL query, its output, and make sure your name or netid appears in the screenshot.

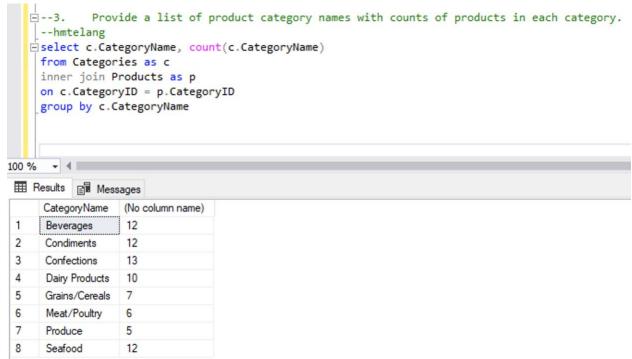
1. List the customer contact names and titles sorted by company name.



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.

```
⊟--4.
           Select a specific customer and display that customer's orders with total amount of product sold for each order.
    --hmtelang
    SELECT * FROM Customers
select * from Orders
    select * from [Order Details]
  select o.OrderID, od.Quantity
    from Orders as o
    inner join [Order Details] as od
    on o.OrderID = od.OrderID
    where o.CustomerID = 'ANTON'
Results Messages
    OrderID Quantity
   10365 24
2
     10507
            15
    10507 15
    10535
           50
    10535
5
           10
6
    10535 5
    10535
           15
    10573 18
    10573
   10573 25
10
11 10677
           30
12 10677
           8
13 10682
           30
14
    10682
```

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

```
Select a specific employee and each order, how it was shipped (shipvia) company who shipped it, and the total number of days elapsed
    --from order date to shipped date.
     --hmtelang
    select * from Orders
SELECT * FROM Shippers
   select o.OrderID, o.ShipVia, s.CompanyName, DATEDIFF(d, o.OrderDate, o.ShippedDate) as DaysElapsed
    from Orders as o
    inner join Shippers as s
on o.ShipVia = s.ShipperID
   where o.EmployeeID = '6'
100 % - 4
Results Messages
     OrderID ShipVia CompanyName
                                  Days Elapsed
    10249 1
                     Speedy Express 5
           3
     10264
                    Federal Shipping 30
    10271
                    United Package 29
    10272
           2
                    United Package 4
     10274
                     Speedy Express 10
    10291
                   United Package 8
     10296
                    Speedy Express 8
            2
    10298
                    United Package 6
     10317
                    Speedy Express 10
     10350
                    United Package 22
                    Speedy Express 5
    10355
11
                United Package 9
12 10356 2
13
    10370
            2
                    United Package 24
                Speedy Express 3
```