CSE 581

Lab 6: Selects with Data Types

Nidhi Surya Prakash

SUID: 215895619

Purpose:

Do SQL selections against the *Northwind* database.

Deliverables:

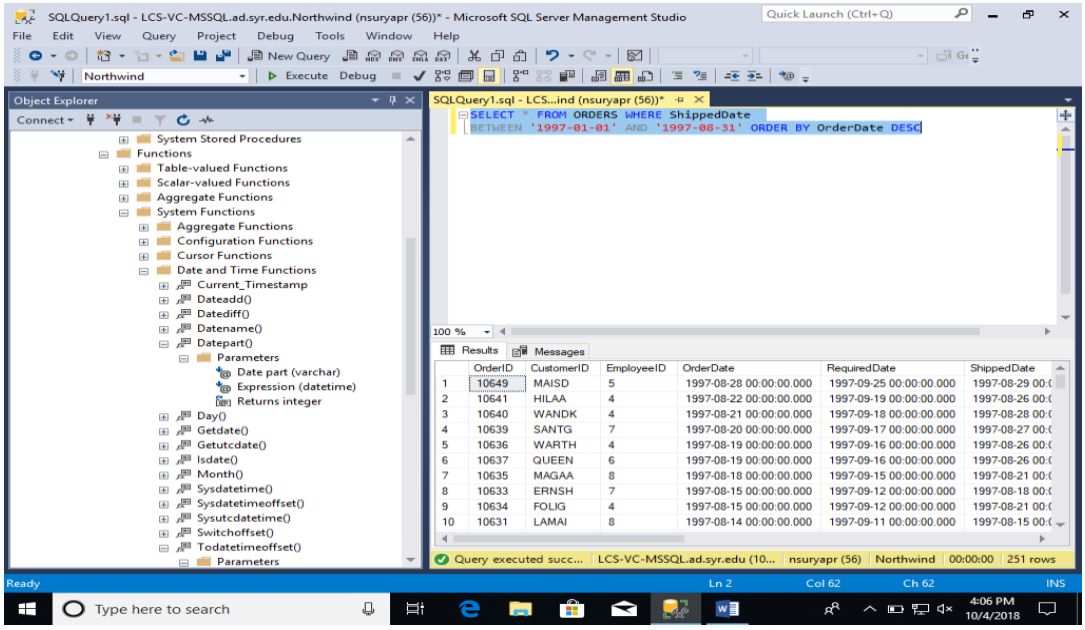
Multiple screenshots, showing your NETID, query code, last lines of datasets & time stamp, as described through the lab.

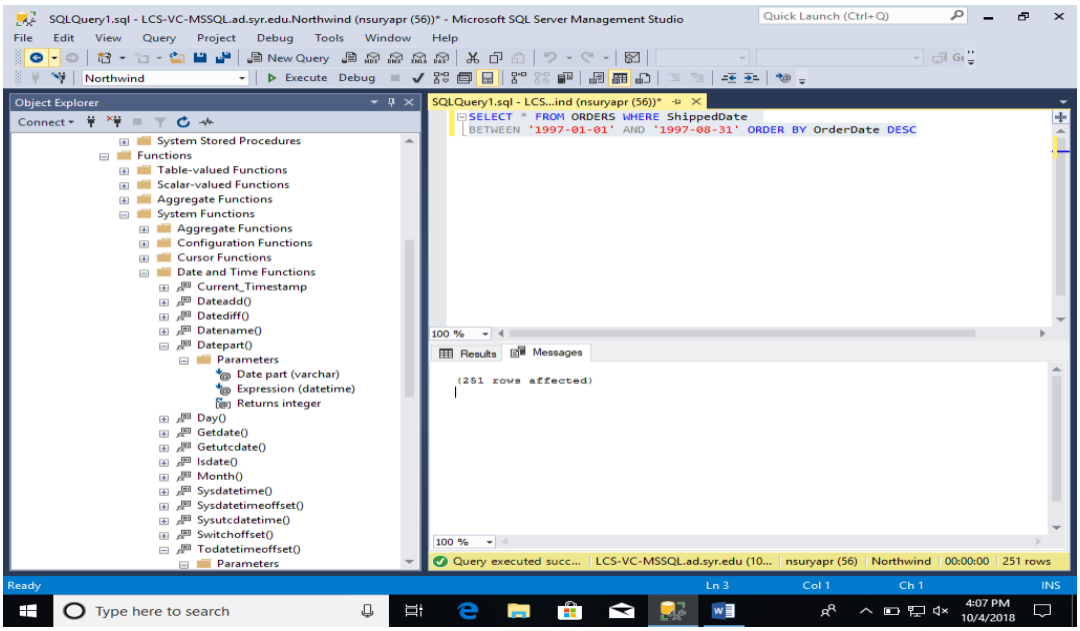
Scripts that you used to carry out the actions.

Submit electronic version to Blackboard.

1. Select all data from the Orders table, ordered by OrderDate, newest date on top, for orders shipped between January 1997 and August 1997.

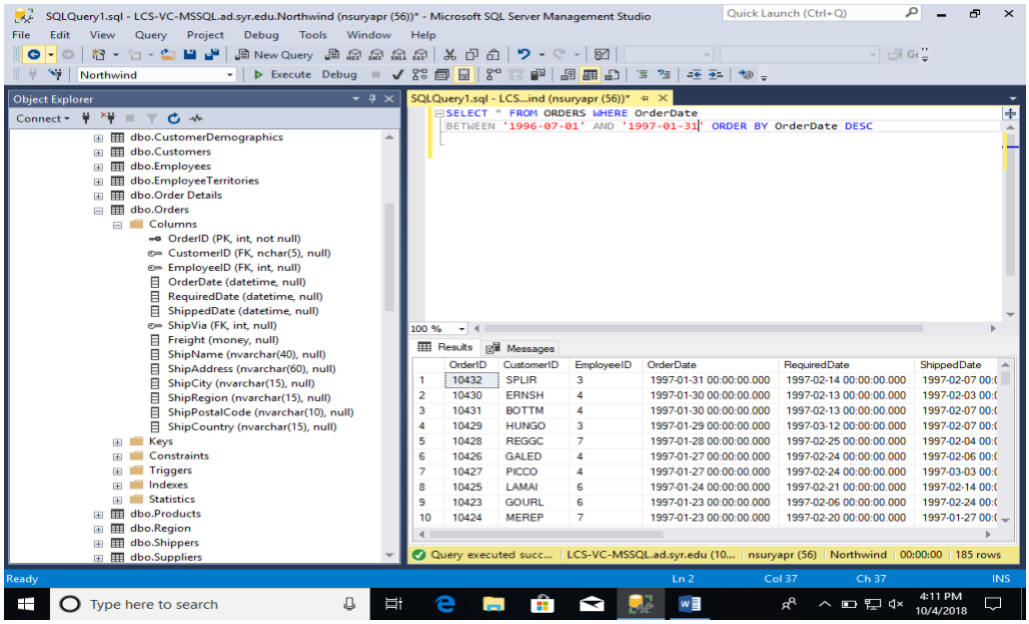
   Script:
   ```
   SELECT * FROM ORDERS WHERE ShippedDate
   BETWEEN '1997-01-01' AND '1997-08-31' ORDER BY OrderDate DESC
   ```

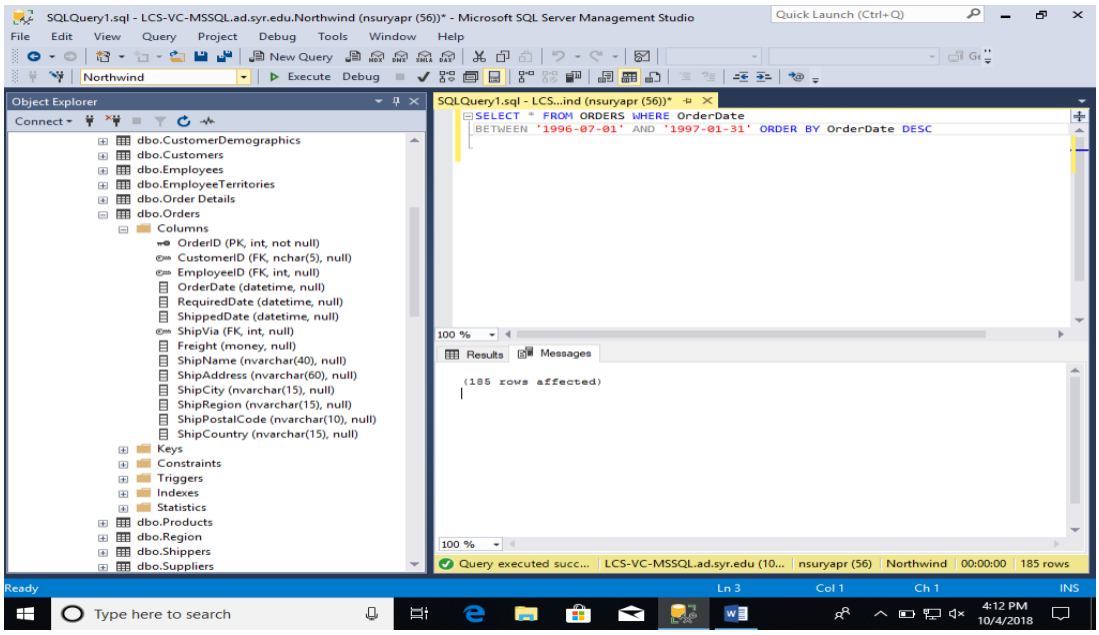




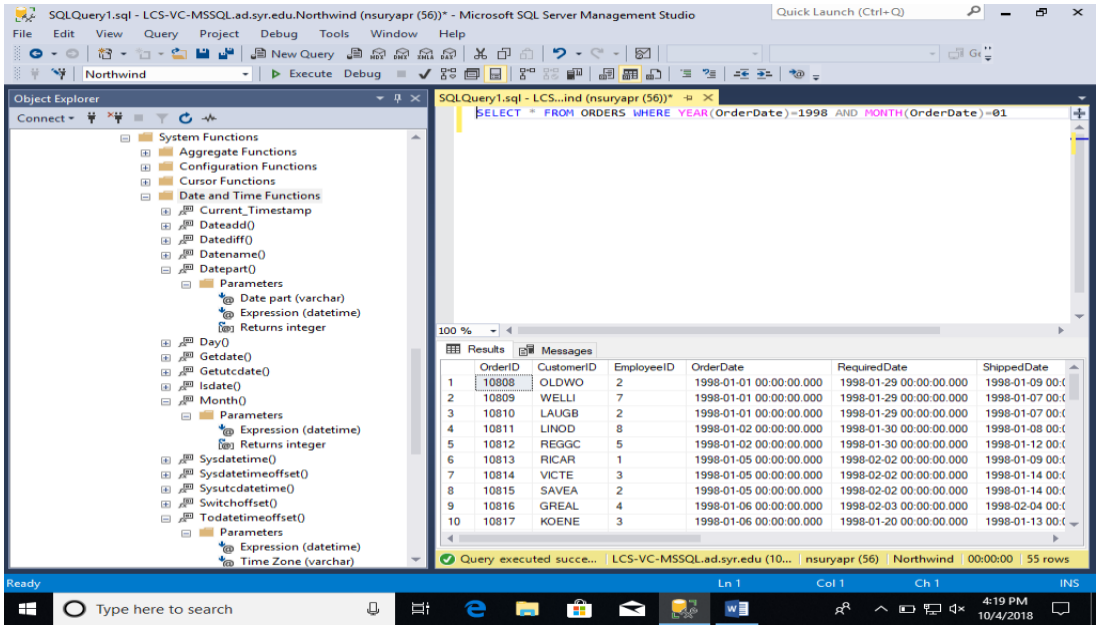
2. Select all data from the Orders table, ordered by OrderDate, newest date on top, for orders placed between July 1996 and January 1997.

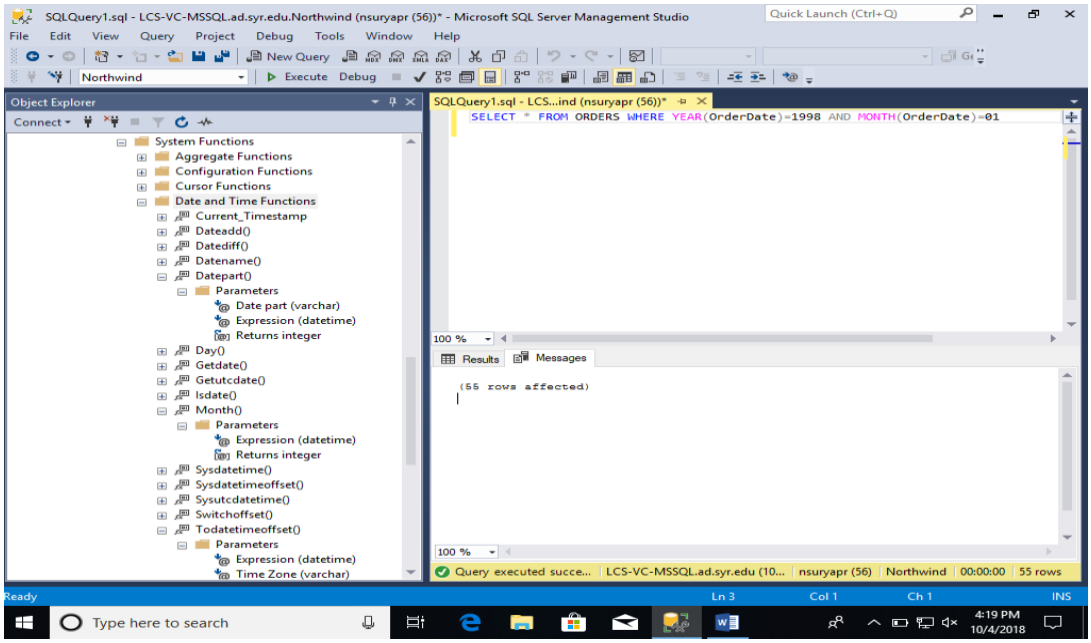
   Script:
```
SELECT * FROM ORDERS WHERE OrderDate
BETWEEN '1996-07-01' AND '1997-01-31' ORDER BY OrderDate DESC
```





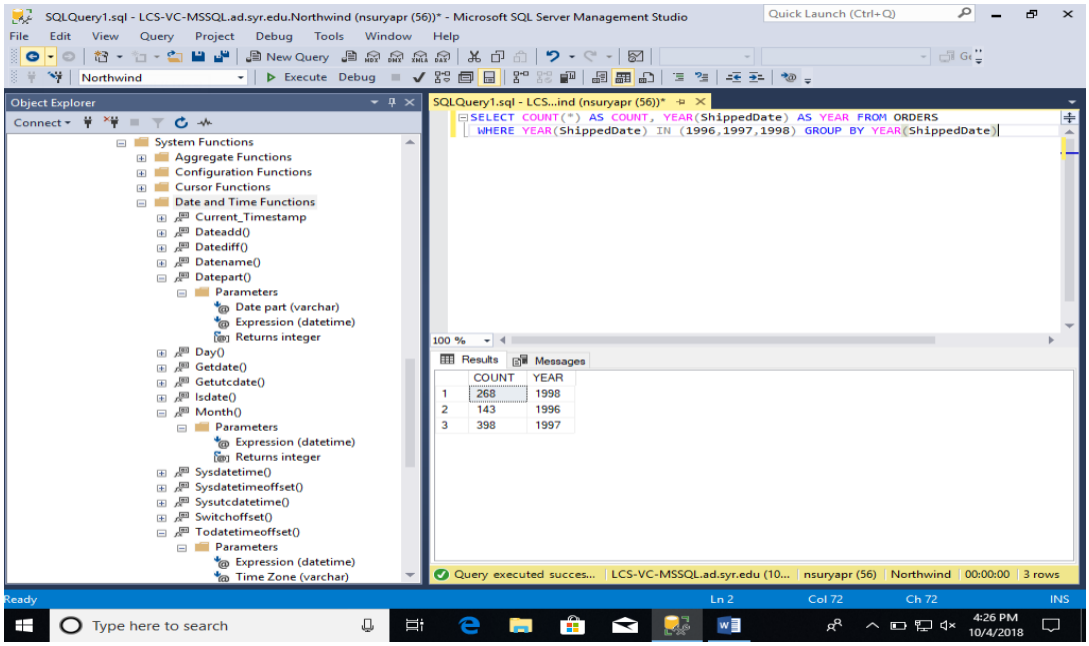
3. Select all data from the Orders table, for orders placed in January 1998.
   Script: `SELECT * FROM ORDERS WHERE YEAR(OrderDate)=1998 AND MONTH(OrderDate)=01`

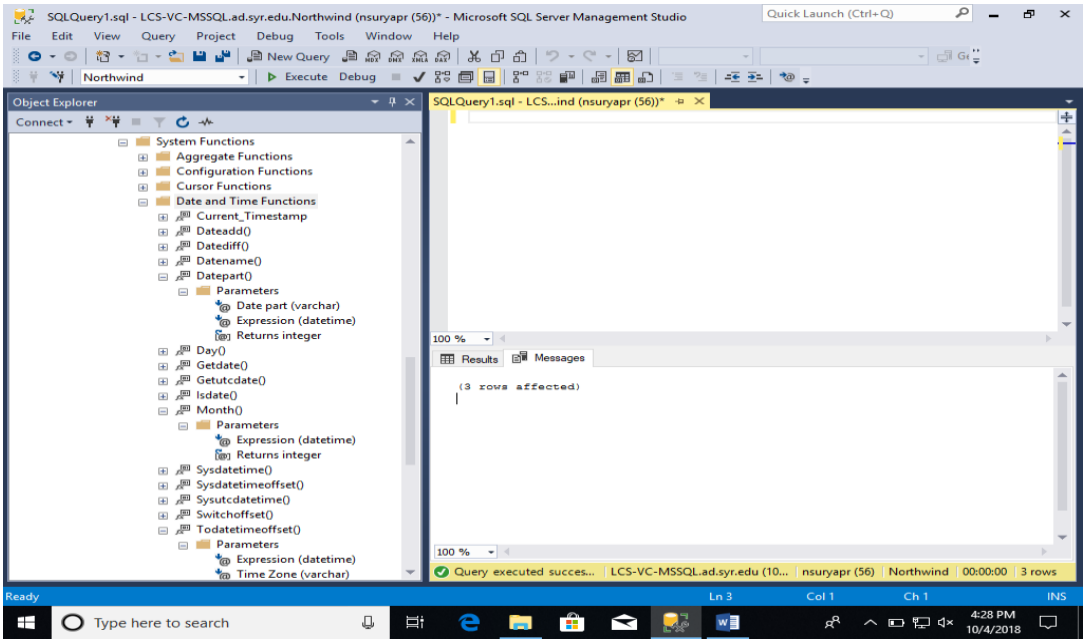




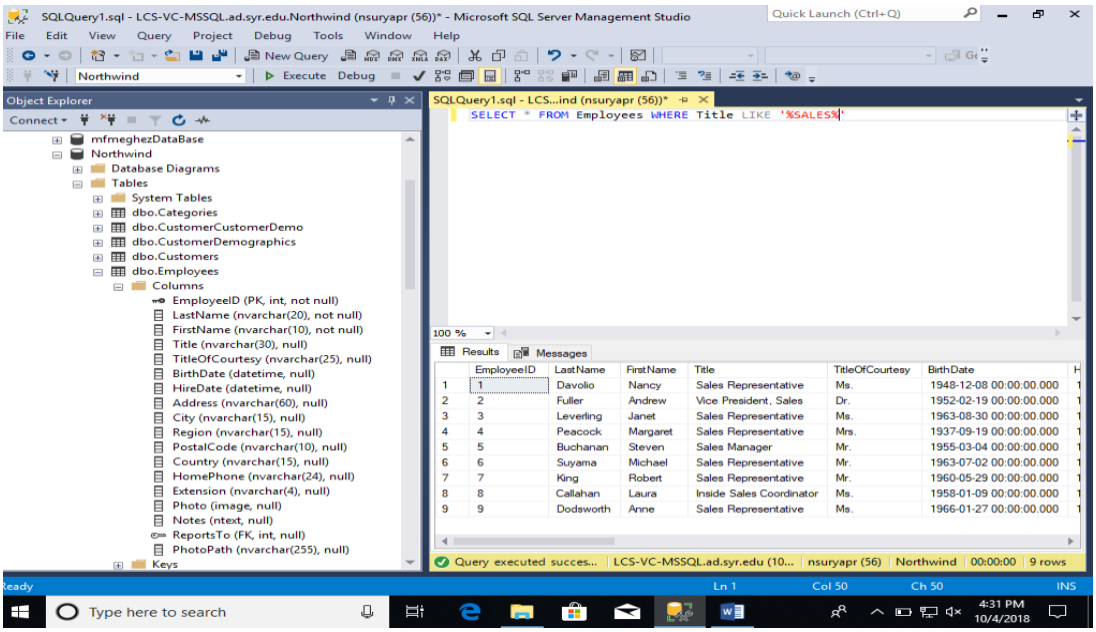
4. Select count of Orders shipped in 1996, 1997 and 1998. (one query containing all values) -> 2 columns (count and year), 3 rows (1 row per year).

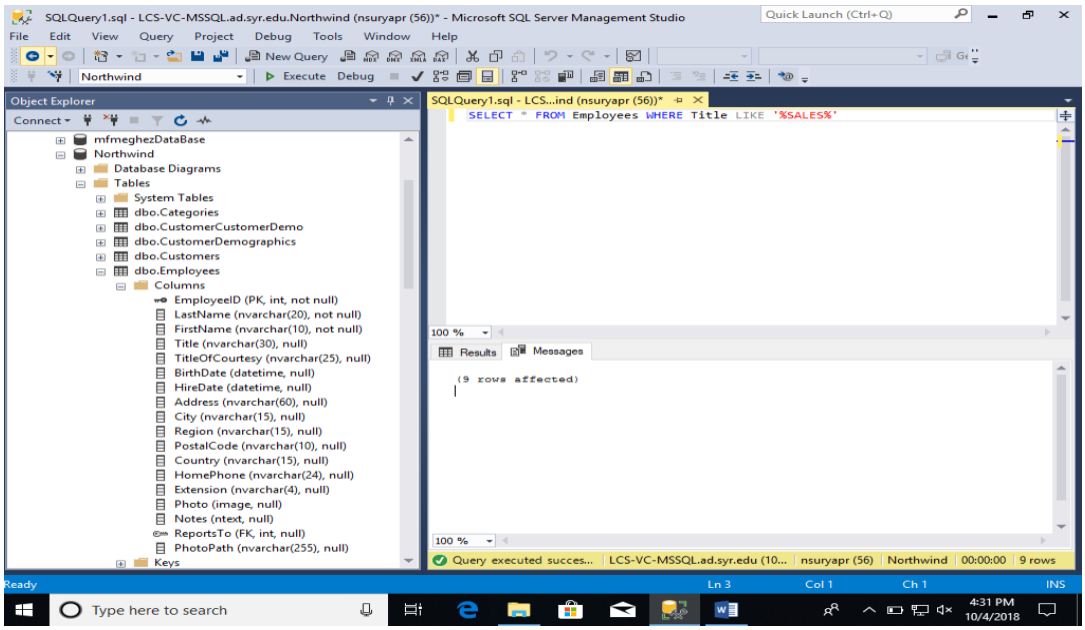
   Script: `SELECT COUNT(*) AS COUNT, YEAR(ShippedDate) AS YEAR FROM ORDERS WHERE YEAR(ShippedDate) IN (1996,1997,1998) GROUP BY YEAR(ShippedDate)`





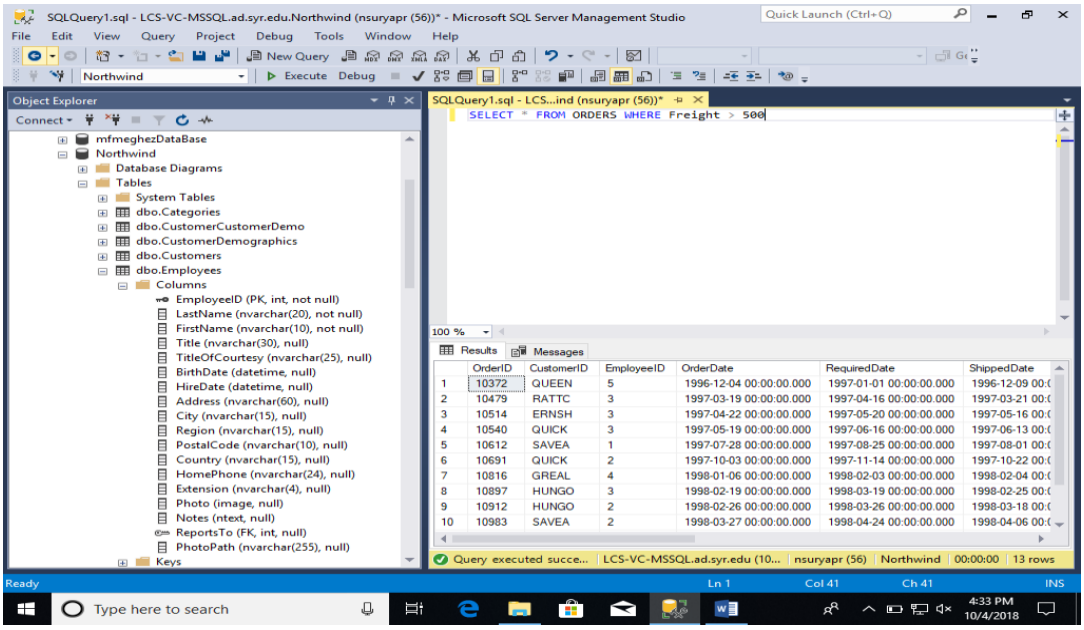
5. Select all records from Employee table that any title related to “Sale”.
   Script: `SELECT * FROM Employees WHERE Title LIKE '%SALES%'`

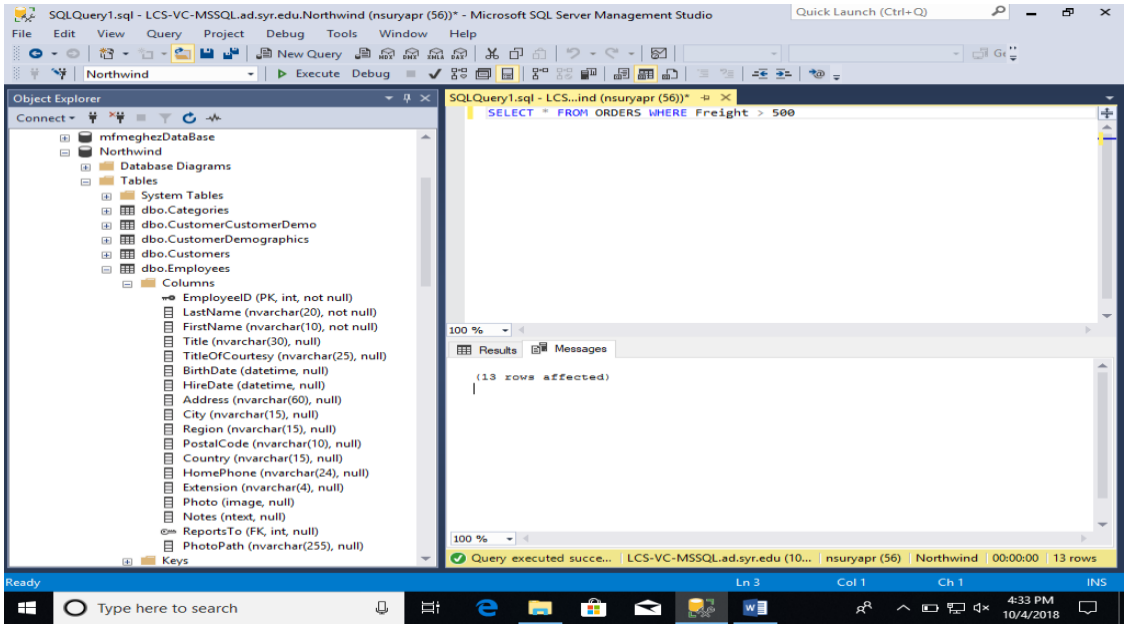




6. Select all data from Orders table whose freight is more than 500.

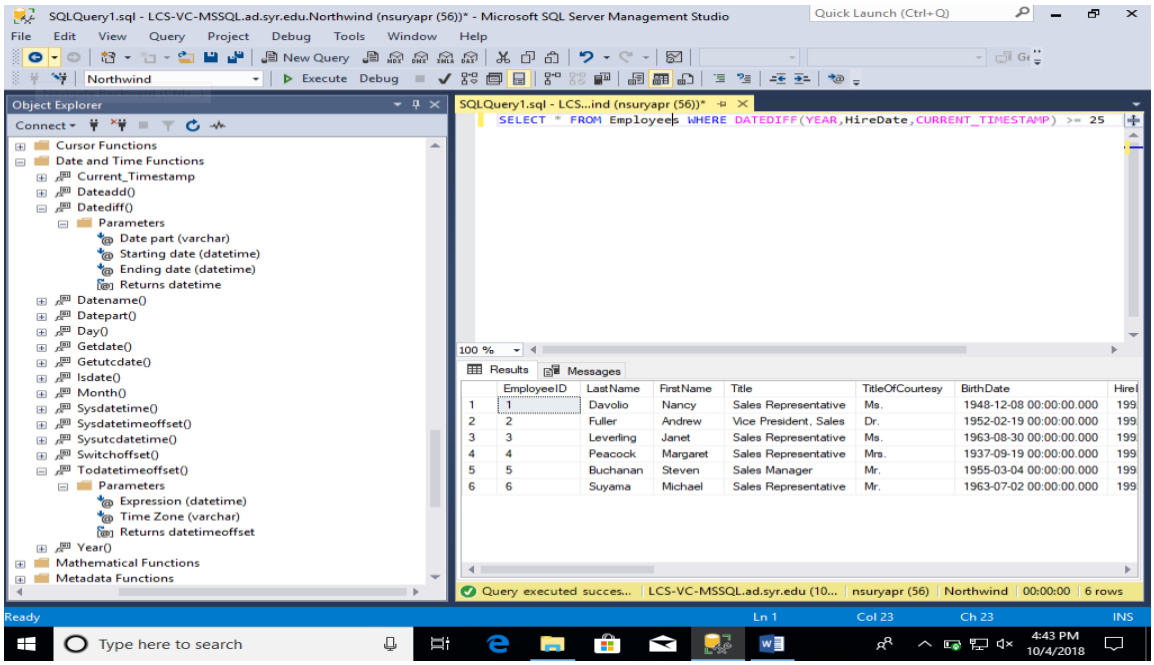
Script: `SELECT * FROM ORDERS WHERE Freight > 500`

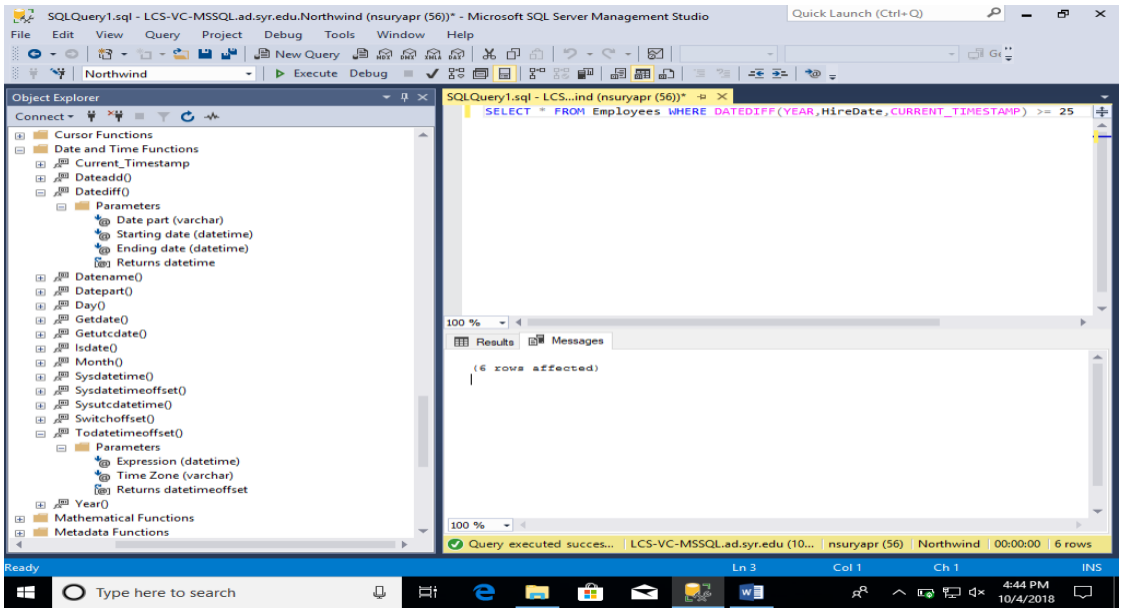




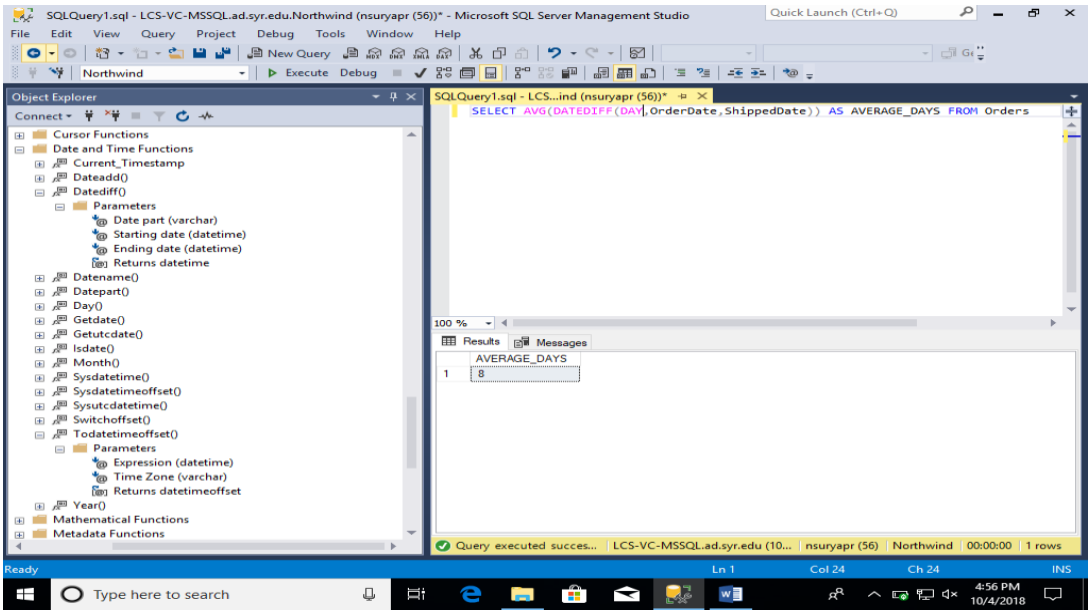
7. List all employees who have worked in company Northwind for more than 25 years.

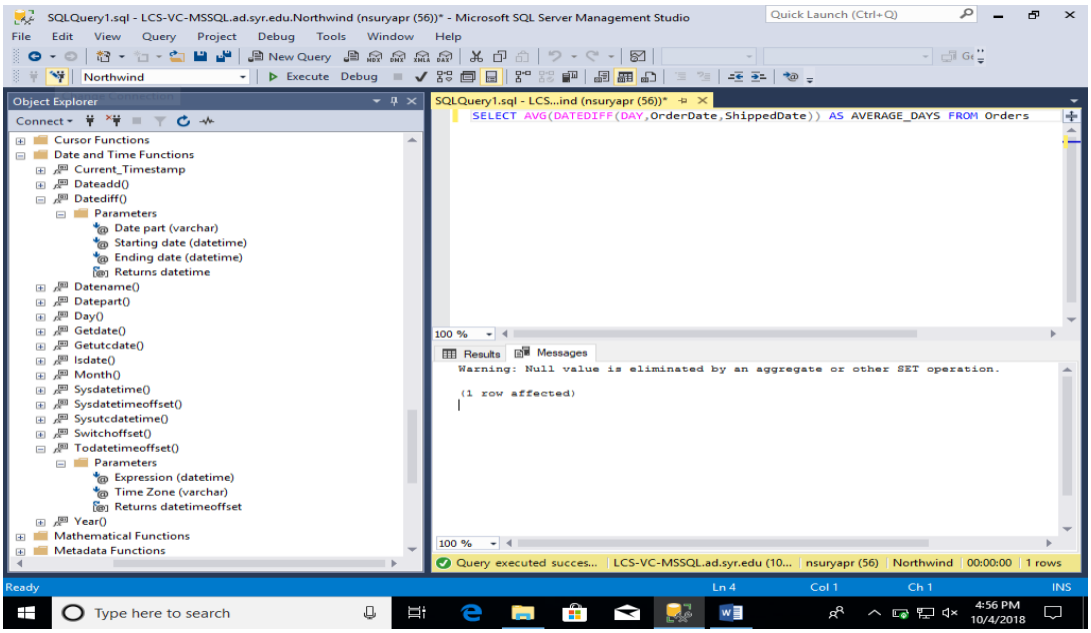
Script: `SELECT * FROM Employees WHERE DATEDIFF(YEAR,HireDate,CURRENT_TIMESTAMP) >= 25`





8. Calculate the average number of days it takes Northwind for all orders from “Ordered” (OrderDate) to “Shipped” (ShippedDate) status.
   Script: `SELECT AVG(DATEDIFF(DAY,OrderDate,ShippedDate)) AS AVERAGE_DAYS FROM Orders`




SQLQuery1.sql - LCS-VC-MSSQL.ad.syr.edu.Northwind (nsuryapr (56))* - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Debug Tools Window Help
New Query
Northwind
Execute Debug
Object Explorer
Connect
Cursor Functions
Date and Time Functions
Current_Timestamp
Dateadd()
Datediff()
Parameters
Date part (varchar)
Starting date (datetime)
Ending date (datetime)
Returns datetime
Datename()
Datepart()
Day()
Getdate()
Getutcdate()
Isdate()
Month()
Sysdatetime()
Sysdatetimeoffset()
Sysutcdatetime()
Switchoffset()
Todatetimeoffset()
Parameters
Expression (datetime)
Time Zone (varchar)
Returns datetimeoffset
Year()
Mathematical Functions
Metadata Functions
SQLQuery1.sql - LCS...ind (nsuryapr (56))*
SELECT AVG(DATEDIFF(DAY,OrderDate,ShippedDate)) AS AVERAGE_DAYS FROM Orders
100 %
Results
Messages
Warning: Null value is eliminated by an aggregate or other SET operation.
(1 row affected)
100 %
Query executed succes...
LCS-VC-MSSQL.ad.syr.edu (10...
nsuryapr (56)
Northwind
00:00:00
1 rows
Ready
Ln 4
Col 1
Ch 1
INS
Type here to search
4:56 PM
10/4/2018