Lab 4: Basic Selects

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Purpose:

Do the basic SQL selections.

Deliverables:

Multiple screenshots, as described through the Labs – Screenshots page 3.

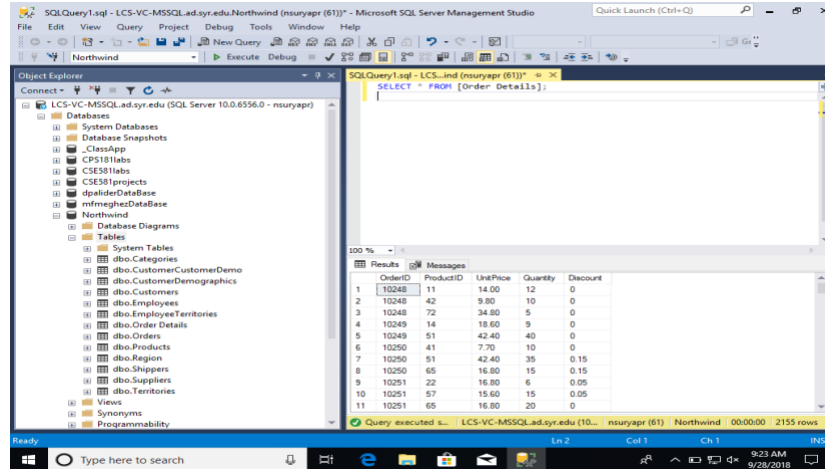Scripts that you used to carry out the actions.

Steps:

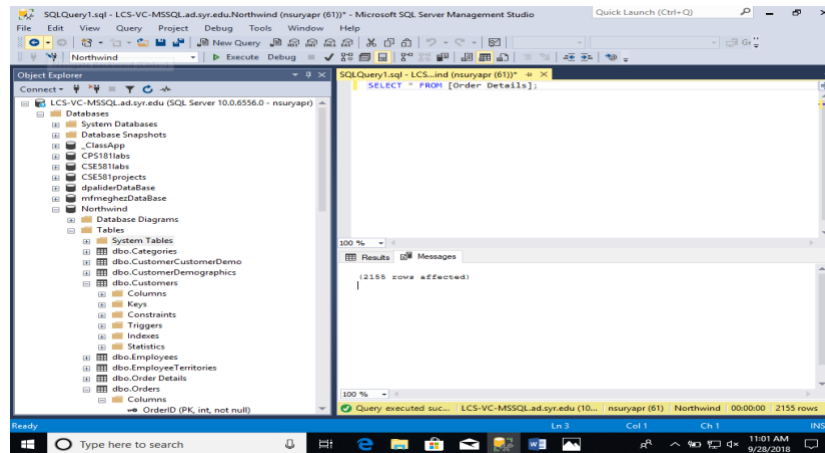*Do this lab against the Northwind database.*

For each of the tasks, please provide a **screenshot** showing your login ID, the script used, as well as selected data (refer to Labs – Screenshots page 3).

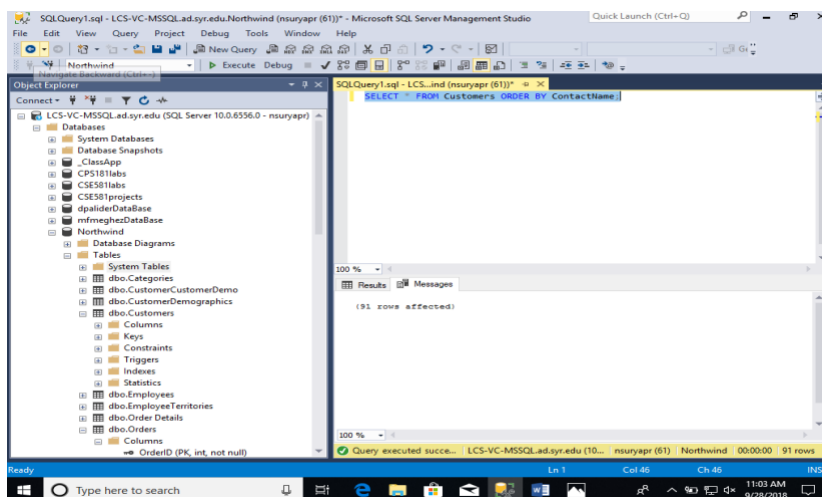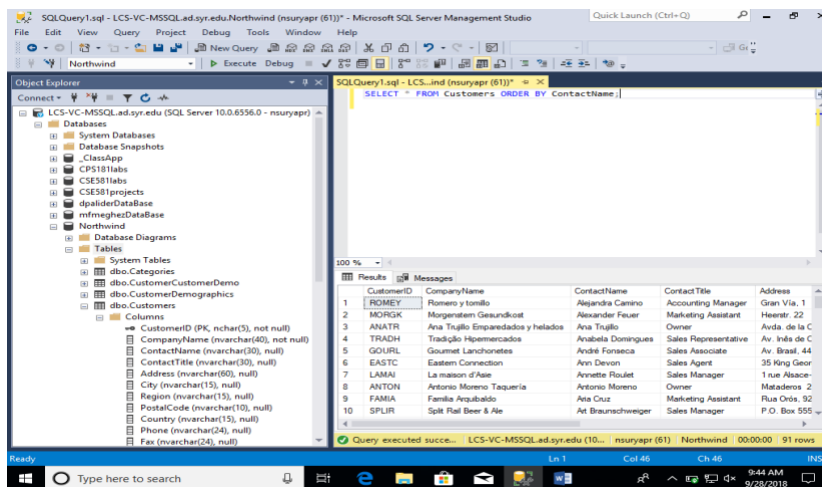1. Select all data from the Order Details table
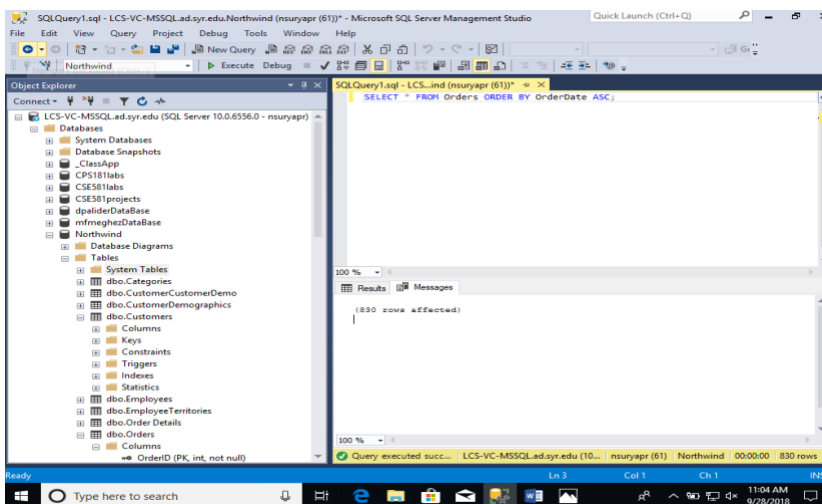
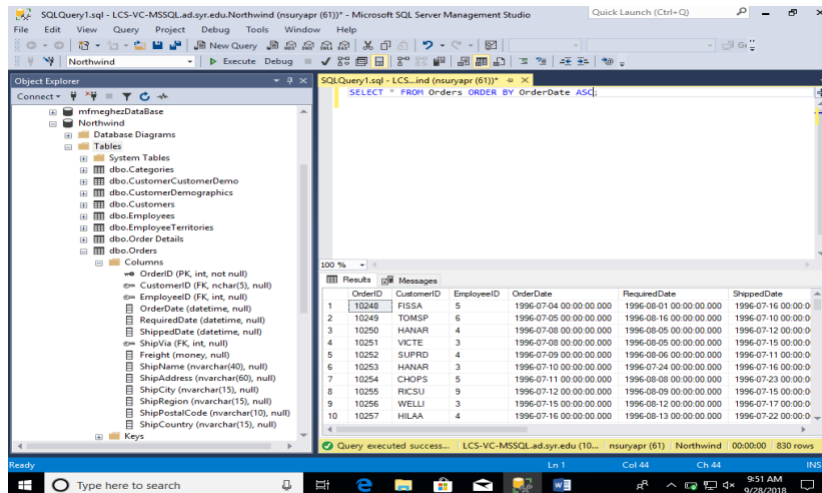   **Script:** SELECT * FROM [Order Details];

2. Select all data from the Customers table, ordered by **ContactName**.

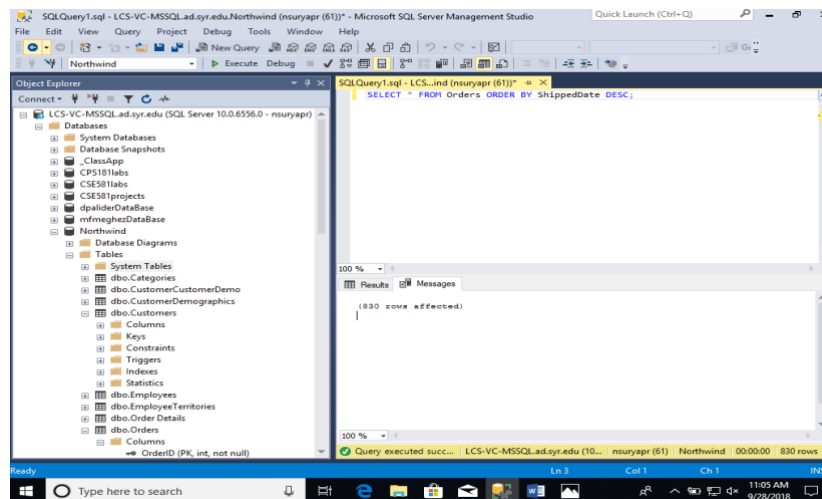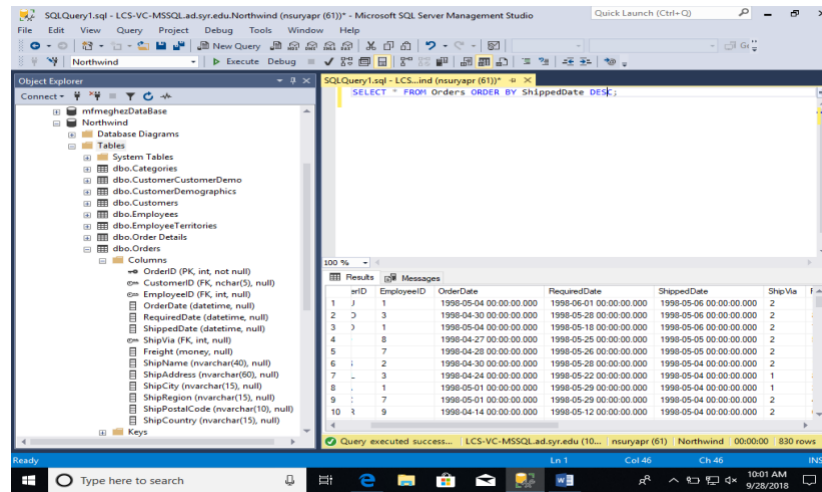**Script:** `SELECT * FROM Customers ORDER BY ContactName;`

3. Select all data from the Orders table, ordered by OrderDate, oldest date on top.

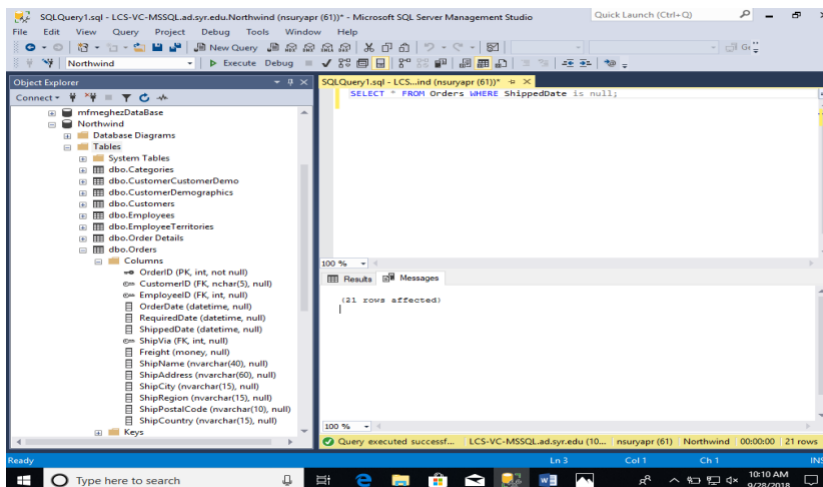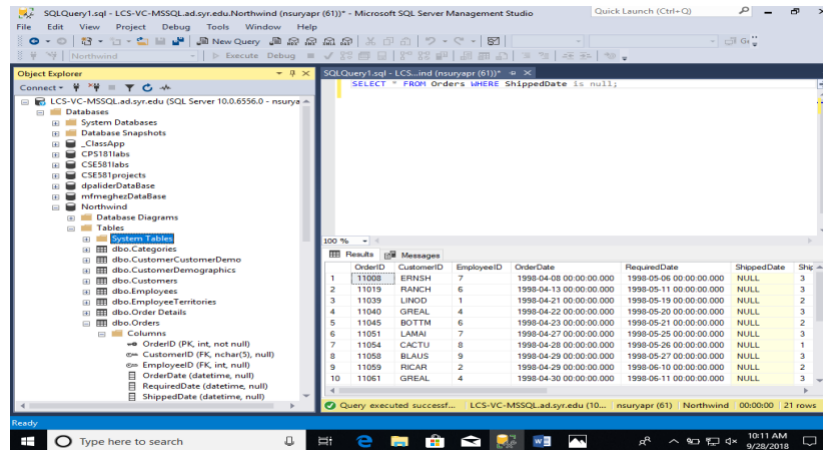**Script:** `SELECT * FROM Orders ORDER BY OrderDate ASC;`

4. Select all data from the Orders table, ordered by ShippedDate, newest date on top.

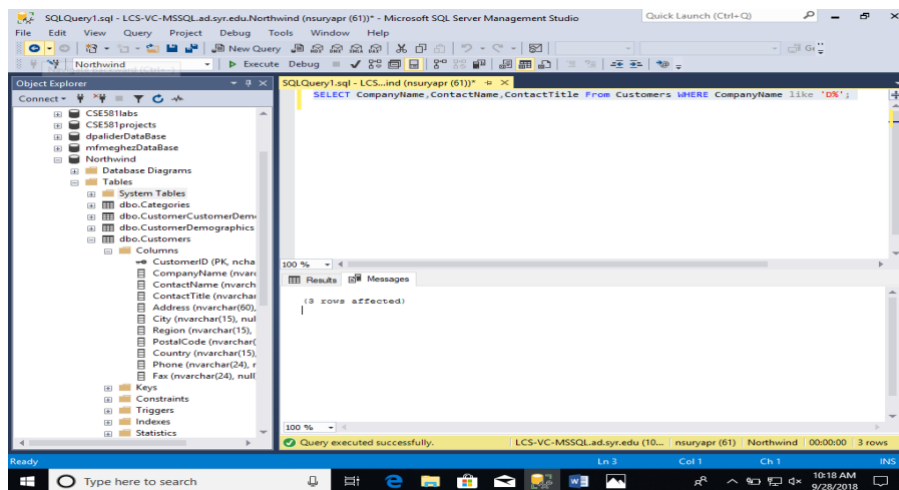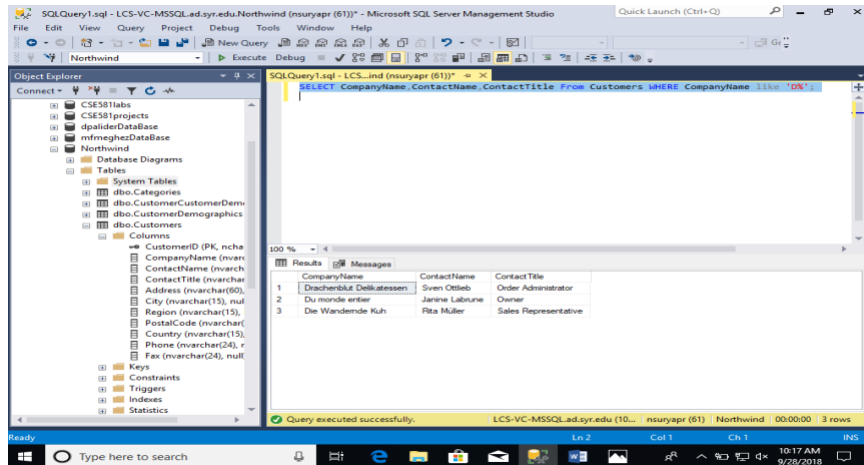**Script:** `SELECT * FROM Orders ORDER BY ShippedDate DESC;`

5. Select all data from the Orders table, where order has not shipped yet (ShippedDate is null).

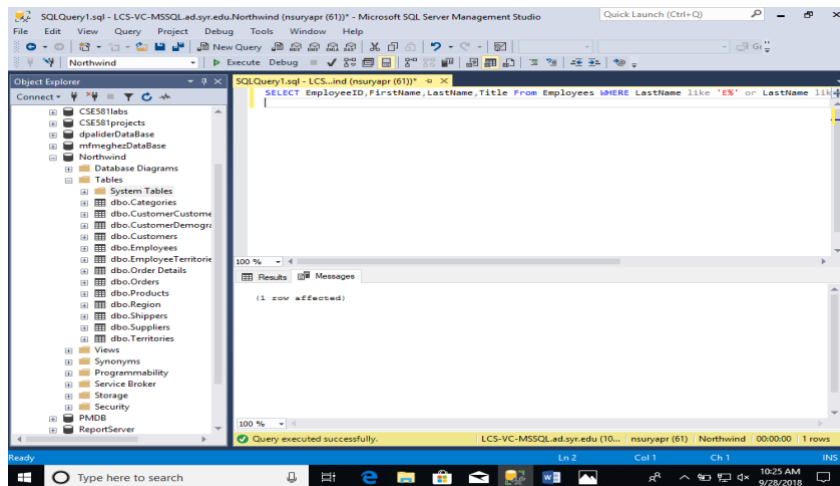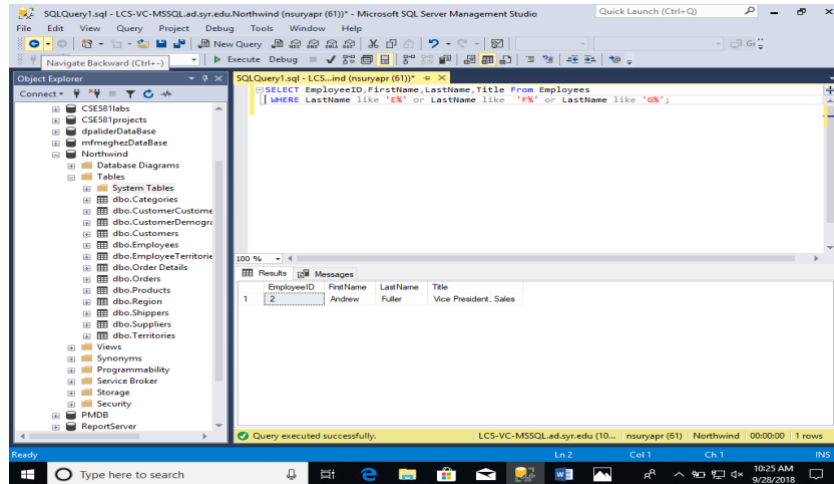**Script:** `SELECT * FROM Orders where ShippedDate is NULL ;`

6. Select CompanyName, ContactName and ContactTitle from the Customers table, where Company Name starts with D.

Script: `SELECT CompanyName,ContactName,ContactTitle From Customers WHERE CompanyName like 'D%';`
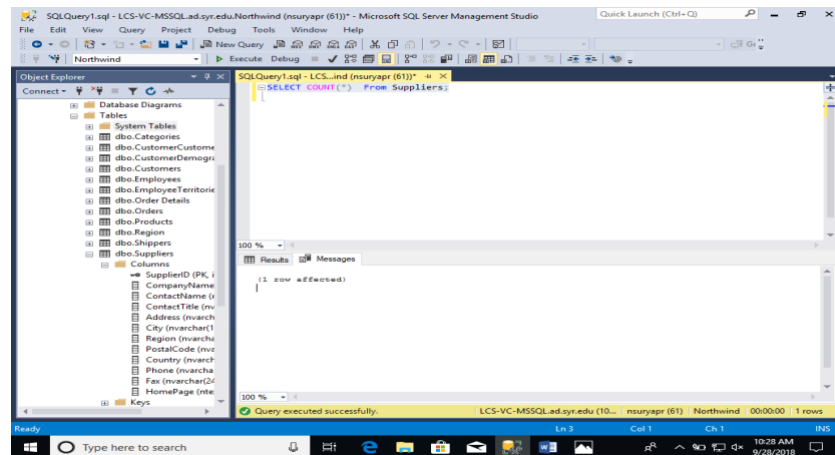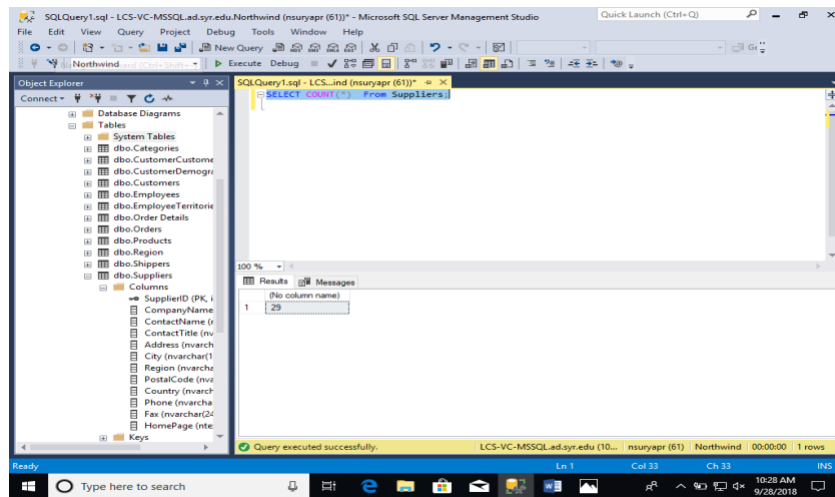
7. Select EmployeeID, FirstName, LastName and Title from the Employees table, where last name starts with E, F or G.

Script: SELECT EmployeeID,FirstName,LastName,Title From Employees WHERE LastName like 'E%' or LastName like 'F%' or LastName like 'G%';
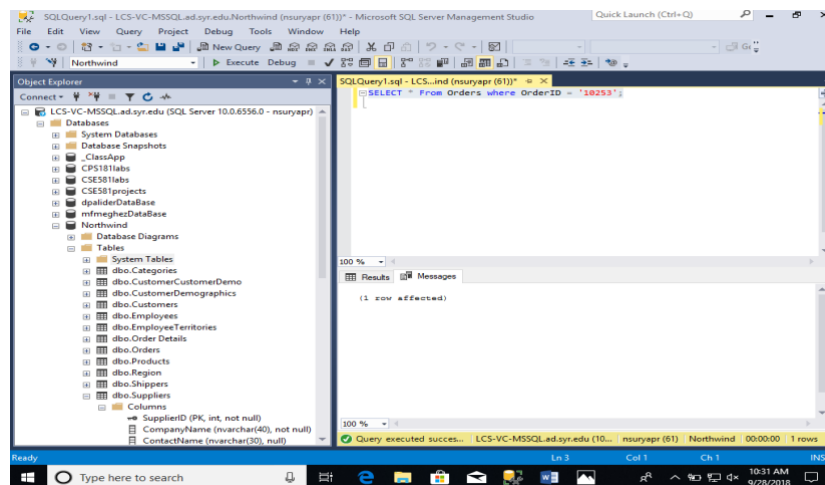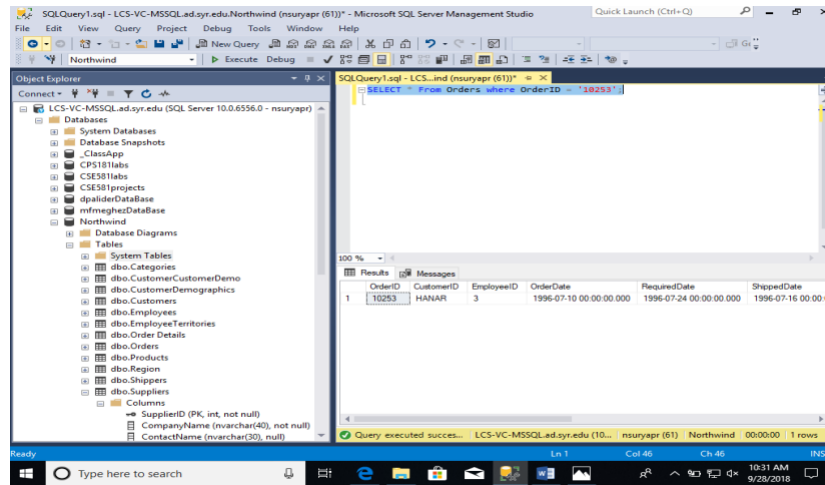
8. Select number of records from the Suppliers table.
    Script: `SELECT COUNT(*)  From Suppliers;`

9. List all data from Orders table for orderId 10253.

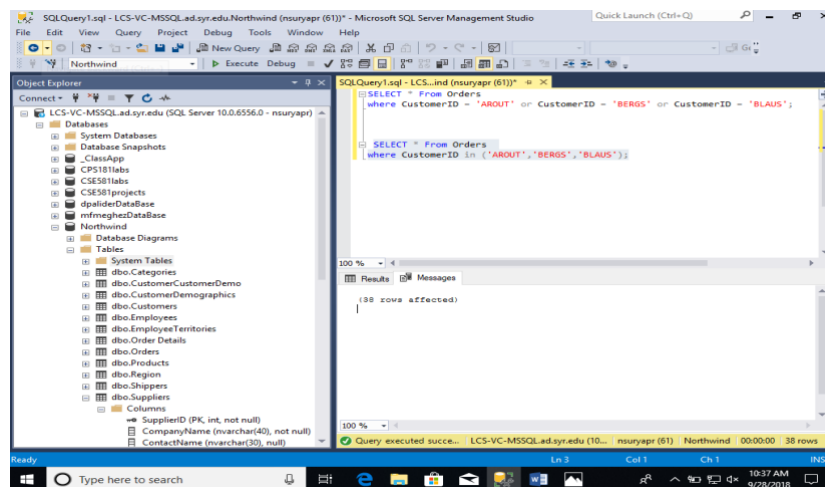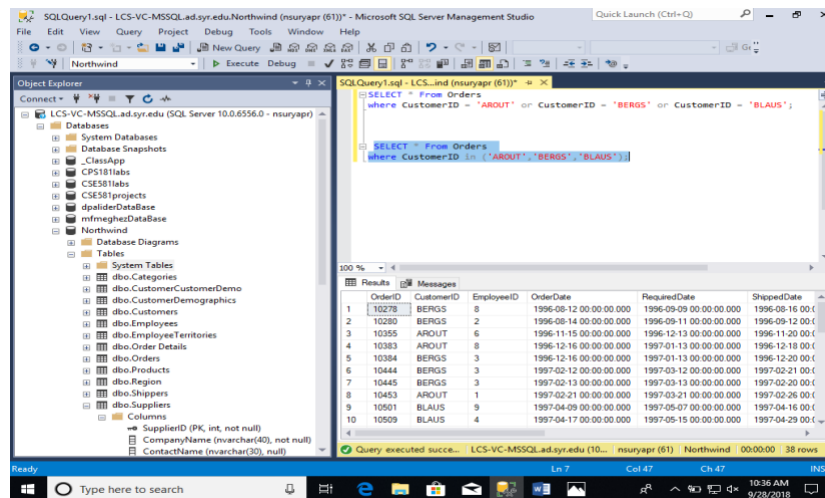**Script:** `SELECT * From Orders where OrderID = '10253';`

10. List all order data (Orders table) placed by Customer ID AROUT or BERGS or BLAUS

Script: SELECT * From Orders
where CustomerID = 'AROUT' or CustomerID = 'BERGS' or CustomerID = 'BLAUS'
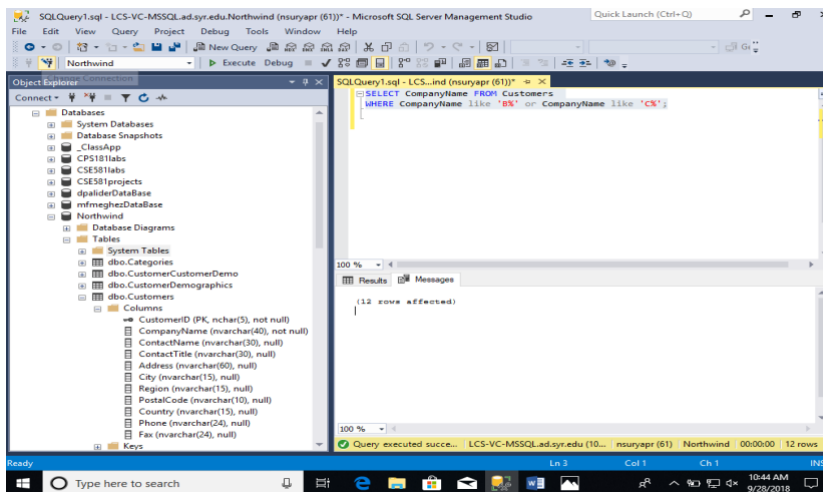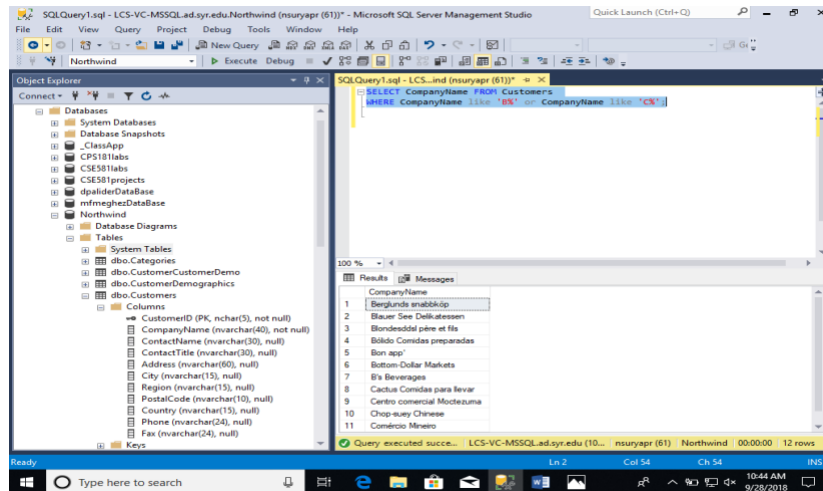
<div align="center">OR</div>

Script: SELECT * From Orders
where CustomerID in ('AROUT','BERGS','BLAUS');

11. List all company names that start with letters B or C (Customers table)

Script: `SELECT CompanyName FROM Customers`
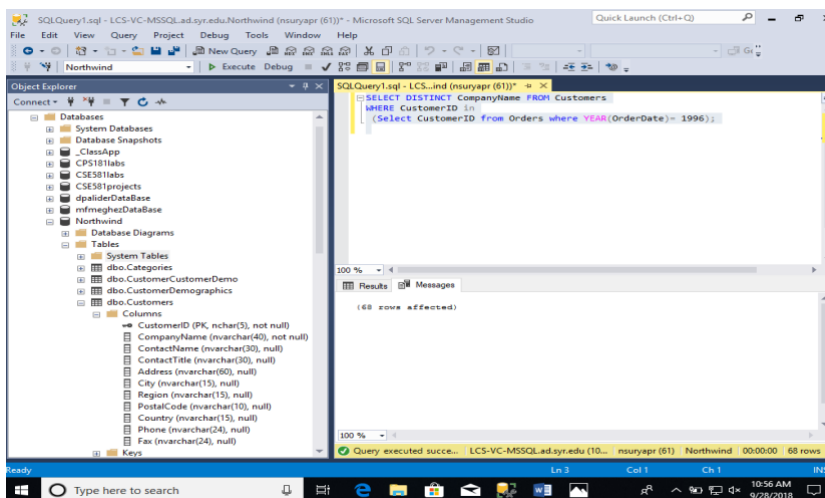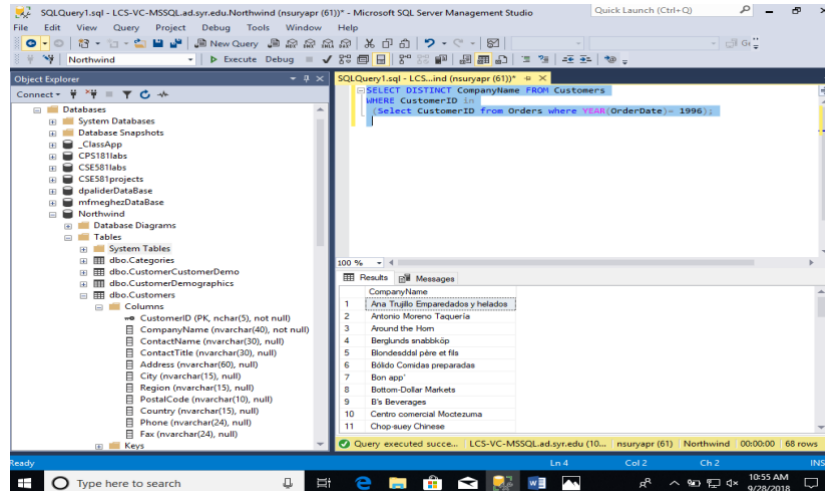`WHERE CompanyName like 'B%' or CompanyName like 'C%';`

12. List of **unique** company names that placed their order in 1996 (Customers table, Orders table).
Use YEAR(date)
Script: SELECT DISTINCT CompanyName FROM Customers
WHERE CustomerID in
 (Select CustomerID from Orders where YEAR(OrderDate)= 1996);

13. List out all records from Orders table for Company Name B's Beverages (Customers table)

    HINT – CompanyName = 'B''s Beverages' will do the trick

Script: `SELECT * FROM Orders`
`        WHERE CustomerID in`
`         (Select CustomerID from Customers where CompanyName = 'B''s Beverages');`