LAB 5 Queries

Query 1: Return customers and their orders, including customers who placed no orders (CustomerID, OrderID, OrderDate)

Select C.CustomerID,O.OrderID,O.OrderDate From Customers As C Left Join Orders As O on C.CustomerID= O.CustomerID;
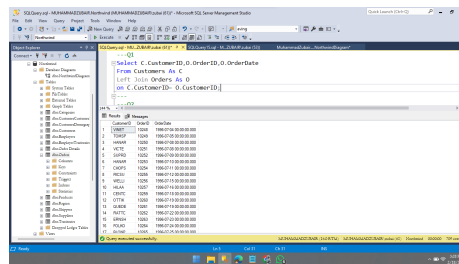

Figure 1: MS-SQL Screenshot

Query 2: Report only those customer IDs who never placed any order. (CustomerID, OrderID, OrderDate)

Select C.CustomerID,O.OrderID,O.OrderDate From Customers As C Left Join Orders As O on C.CustomerID= O.CustomerID where O.OrderID is Null;
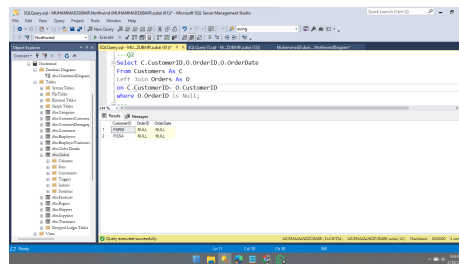

Figure 2: MS-SQL Screenshot

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Query 3: Report those customers who placed orders on July,1997. (CustomerID, OrderID, OrderDate))

Select C.CustomerID,O.OrderID,O.OrderDate From Customers As C Join Orders As O on C.CustomerID= O.CustomerID where MONTH(O.OrderDate)=7 And YEAR(O.OrderDate)=1997;
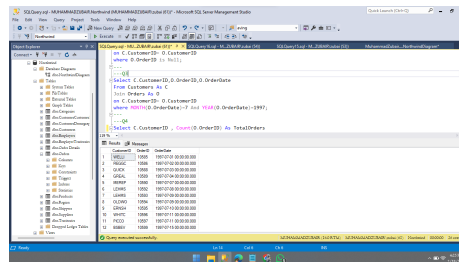

Figure 3: MS-SQL Screenshot

Query 4: Report the total orders of each customer. (customerID, totalorders))

Select C.CustomerID , Count(O.OrderID) As TotalOrders From Customers As C Left Join Orders As O on C.CustomerID= O.CustomerID Group By C.CustomerID;
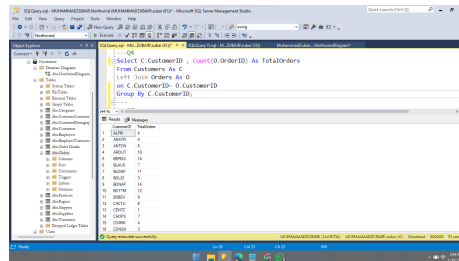

Figure 4: MS-SQL Screenshot

Query 5: Return US customers, and for each customer return the total number of orders and total quantities. (CustomerID, Totalorders, totalquantity)

Select C.CustomerID,Count(O.OrderID) As TotalOrders ,SUM(OD.Quantity) As TotalQuantity From Customers As C Left Join Orders As O On C.CustomerID=O.CustomerID Join [Order Details] As OD On O.OrderID=OD.OrderID Where C.Country='USA' Group By C.CustomerID;
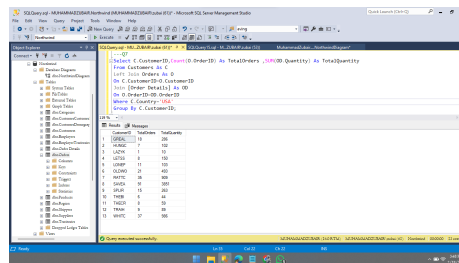

Figure 5: MS-SQL Screenshot

Query 6: Write a query that returns all customers in the output, but matches them with their respective orders only if they were placed on July 04,1997. (CustomerID, CompanyName, OrderID, Orderdate))

Select C.CustomerID,C.CompanyName,O.OrderID,O.OrderDate From Customers As C Join Orders As O On C.CustomerID=O.CustomerID Where Month(O.OrderDate)=7 And Day(O.OrderDate)=4 And Year(O.OrderDate)=1997;
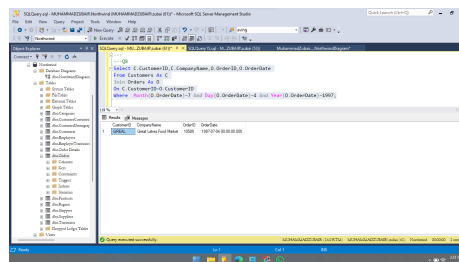

Figure 6: MS-SQL Screenshot

Query 7: WList the names of products which were ordered on 8th August 1997. (ProductName, OrderDate)

Select P.ProductName,O.OrderDate From Orders As O Join [Order Details] As OD On O.OrderID=OD.OrderID Join Products As P On OD.ProductID=P.ProductID Where Month(O.OrderDate)=8 And Day(O.OrderDate)=8 And Year(O.OrderDate)=1997;
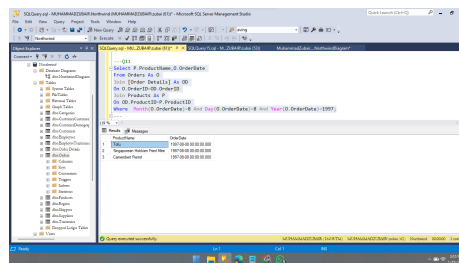

Figure 7: MS-SQL Screenshot

Query8: List the addresses, cities, countries of all orders which were serviced by Anne and were shipped late. (Address, City, Country)

Select O.ShipAddress,O.ShipCity,O.ShipCountry,O.ShippedDate,O.RequiredDate From Orders AS O Join [Order Details] As OD On O.OrderID=OD.OrderID Join Products AS P On OD.ProductID=P.ProductID Join Suppliers AS S On P.SupplierID=S.SupplierID Where S.ContactName like 'Anne%' And O.RequiredDate <O.ShippedDate;
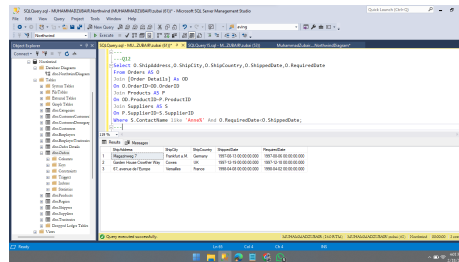

Figure 8: MS-SQL Screenshot

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Query 9: List all countries to which beverages have been shipped. (Country)
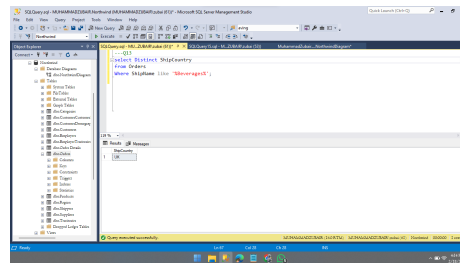
select Distinct ShipCountry from Orders Where ShipName like '%Beverages%';

Figure 9: MS-SQL Screenshot