---1 Tulis query untuk mendapatkan jumlah customer tiap bulan yang melakukan order pada tahun 1997.

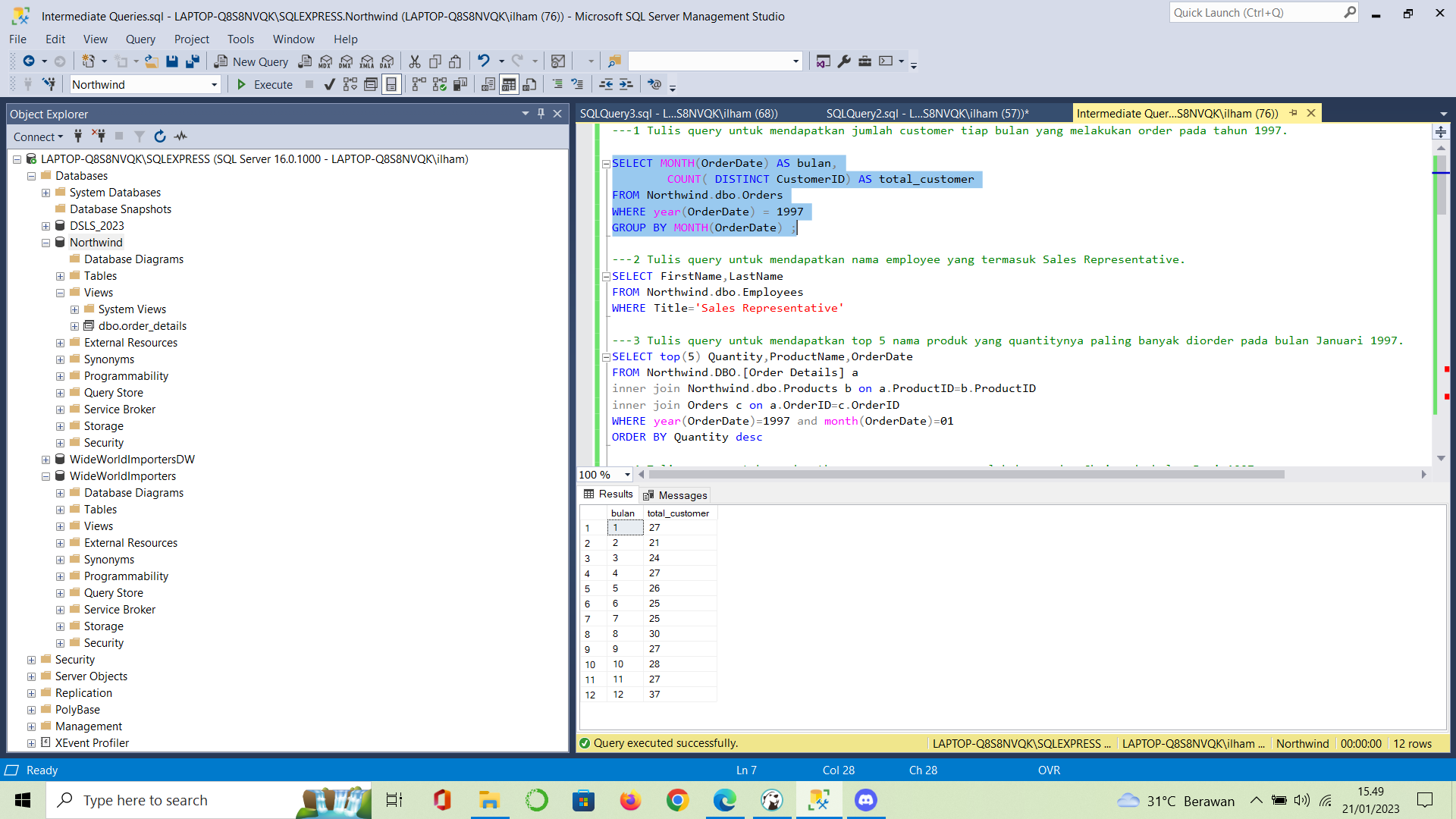
SELECT MONTH(OrderDate) AS bulan,

COUNT( DISTINCT CustomerID) AS total\_customer

FROM Northwind.dbo.Orders

WHERE year(OrderDate) = 1997

GROUP BY MONTH(OrderDate) ;

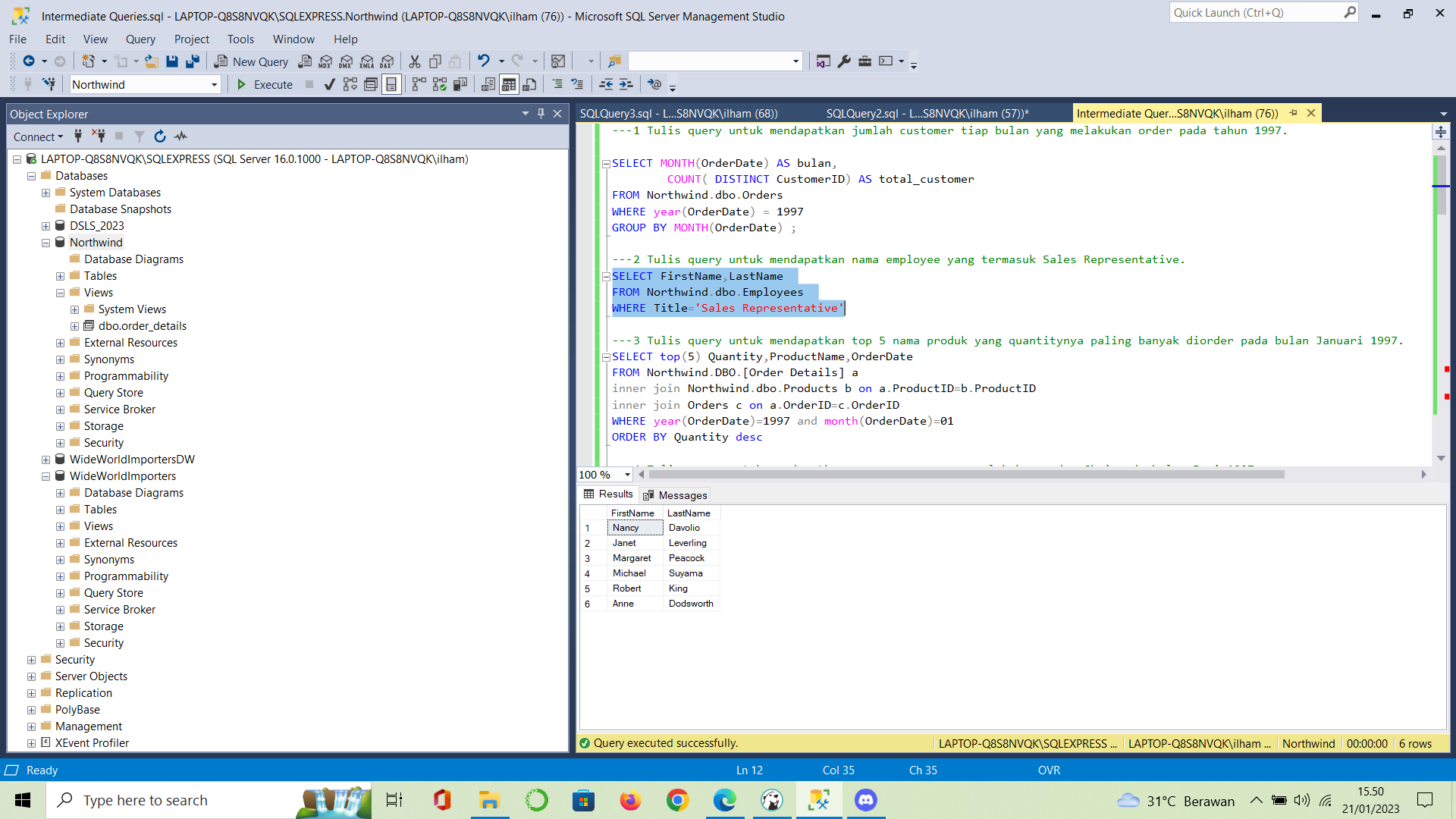


---2 Tulis query untuk mendapatkan nama employee yang termasuk Sales Representative.

SELECT FirstName,LastName

FROM Northwind.dbo.Employees

WHERE Title='Sales Representative'



---3 Tulis query untuk mendapatkan top 5 nama produk yang quantitynya paling banyak diorder pada bulan Januari 1997.

SELECT top(5) Quantity,ProductName,OrderDate

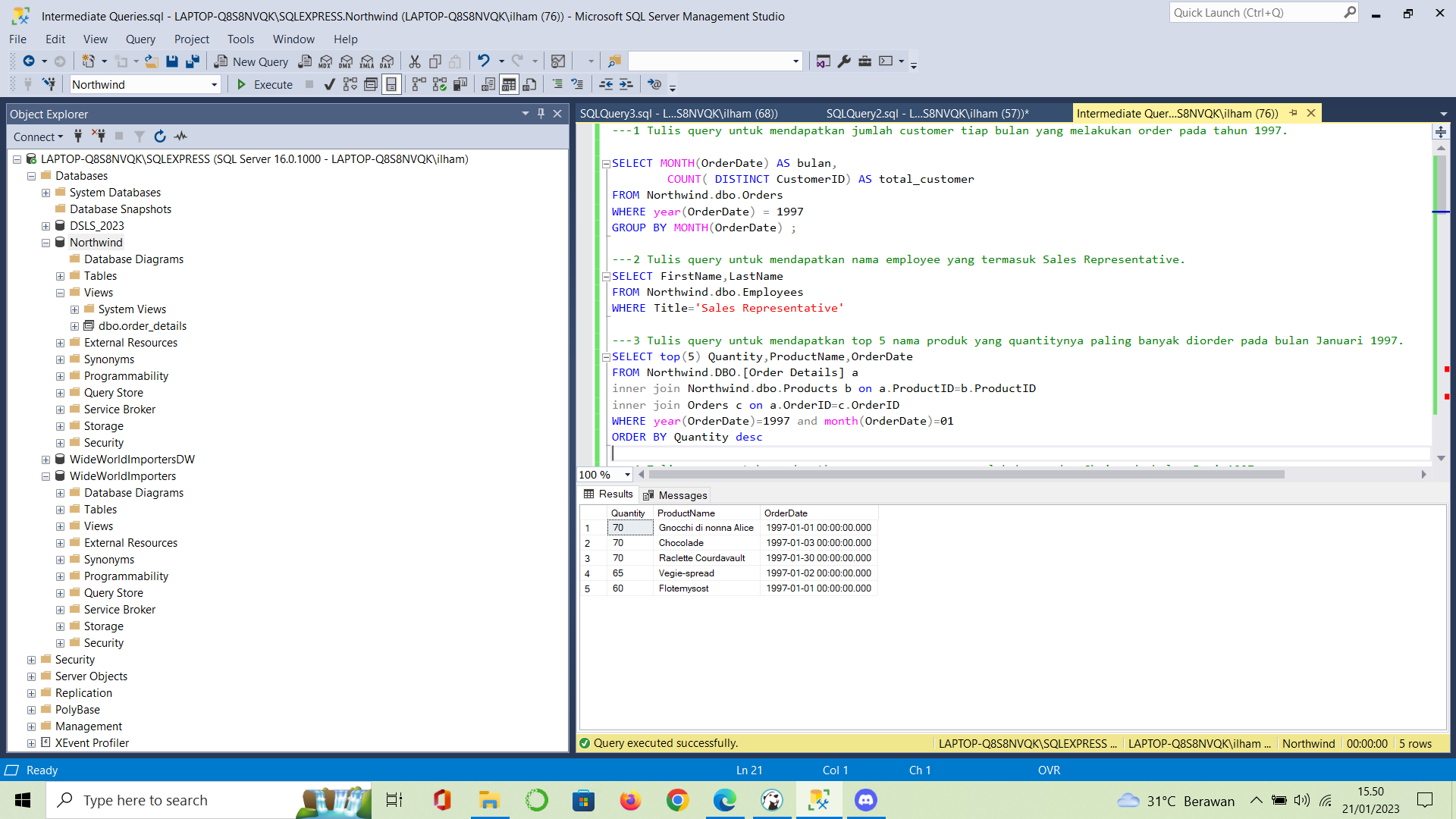
FROM Northwind.DBO.[Order Details] a

inner join Northwind.dbo.Products b on a.ProductID=b.ProductID

inner join Orders c on a.OrderID=c.OrderID

WHERE year(OrderDate)=1997 and month(OrderDate)=01

ORDER BY Quantity desc



---4 Tulis query untuk mendapatkan nama company yang melakukan order Chai pada bulan Juni 1997.

SELECT ProductName,CompanyName, OrderDate

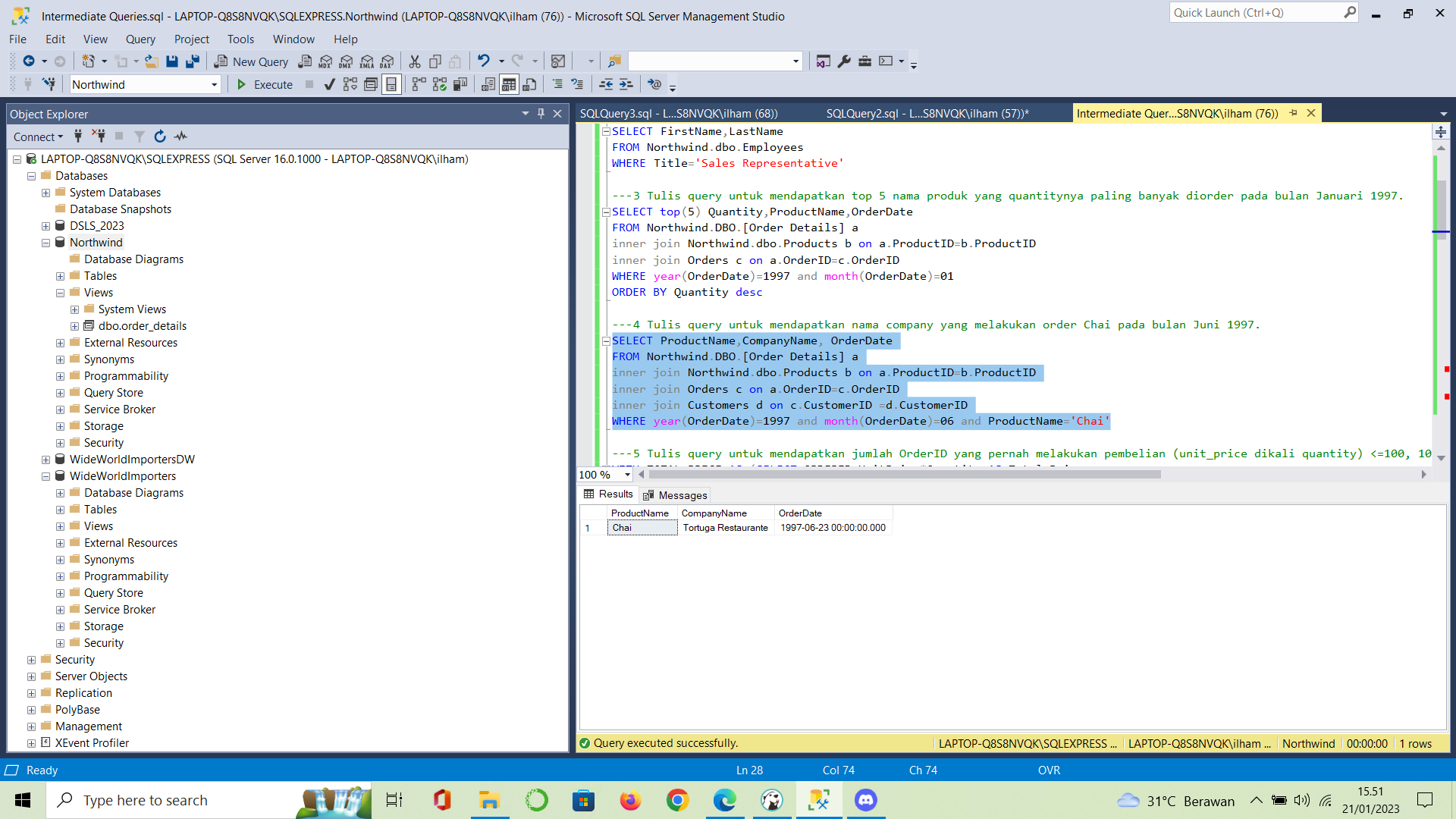
FROM Northwind.DBO.[Order Details] a

inner join Northwind.dbo.Products b on a.ProductID=b.ProductID

inner join Orders c on a.OrderID=c.OrderID

inner join Customers d on c.CustomerID =d.CustomerID

WHERE year(OrderDate)=1997 and month(OrderDate)=06 and ProductName='Chai'



---5 Tulis query untuk mendapatkan jumlah OrderID yang pernah melakukan pembelian (unit\_price dikali quantity) <=100, 100<x<=250, 250<x<=500, dan >500.

WITH TOTAL\_PRICE AS (SELECT ORDERID,UnitPrice\*Quantity AS Total\_Price

FROM [Order Details]),

category\_price as(select \*,

case when Total\_Price <=100 then '<=100'

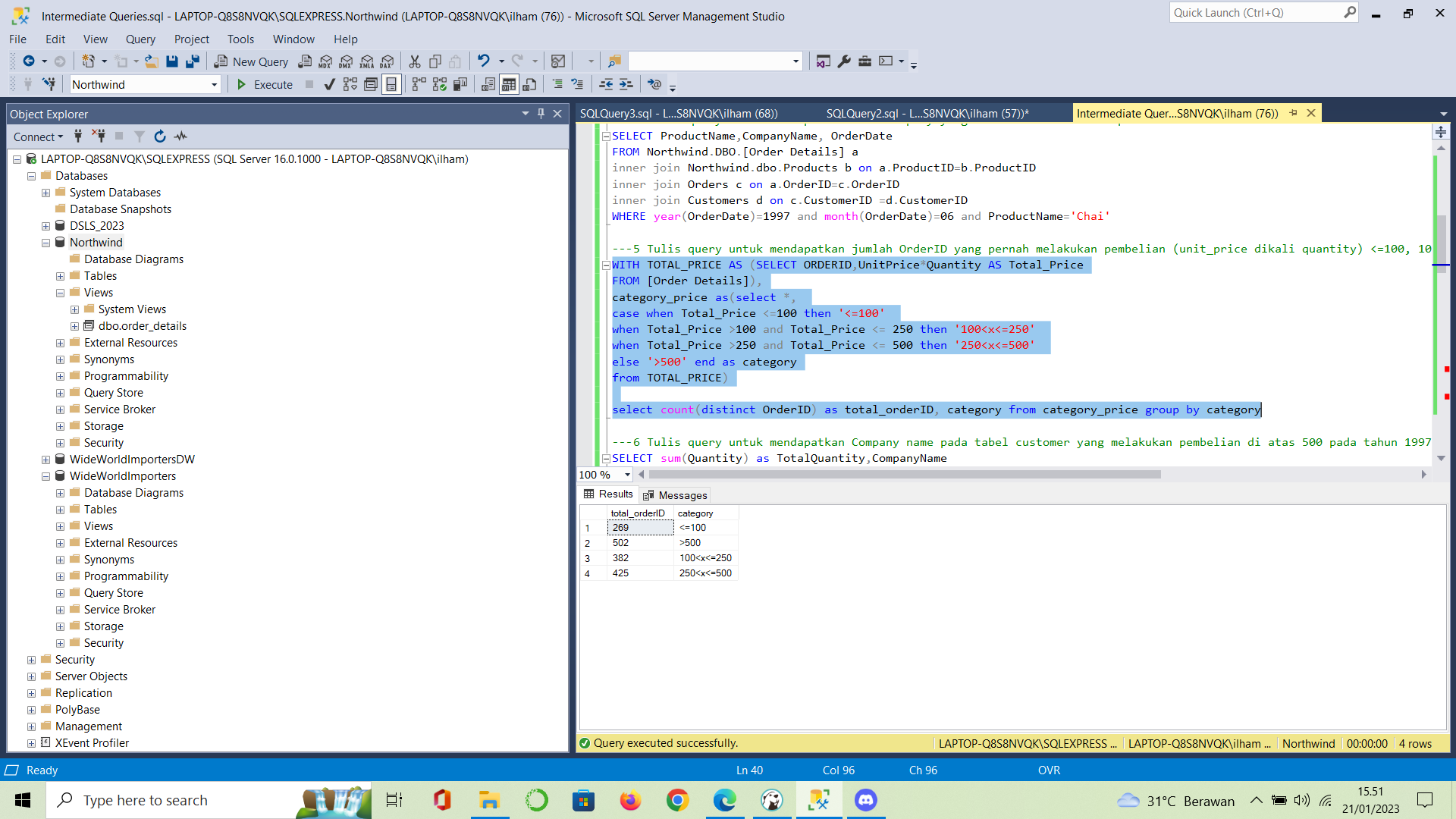
when Total\_Price >100 and Total\_Price <= 250 then '100<x<=250'

when Total\_Price >250 and Total\_Price <= 500 then '250<x<=500'

else '>500' end as category

from TOTAL\_PRICE)

select count(distinct OrderID) as total\_orderID, category from category\_price group by category



---6 Tulis query untuk mendapatkan Company name pada tabel customer yang melakukan pembelian di atas 500 pada tahun 1997.

SELECT sum(Quantity) as TotalQuantity,CompanyName

FROM Northwind.DBO.[Order Details] a

inner join Northwind.dbo.Products b on a.ProductID=b.ProductID

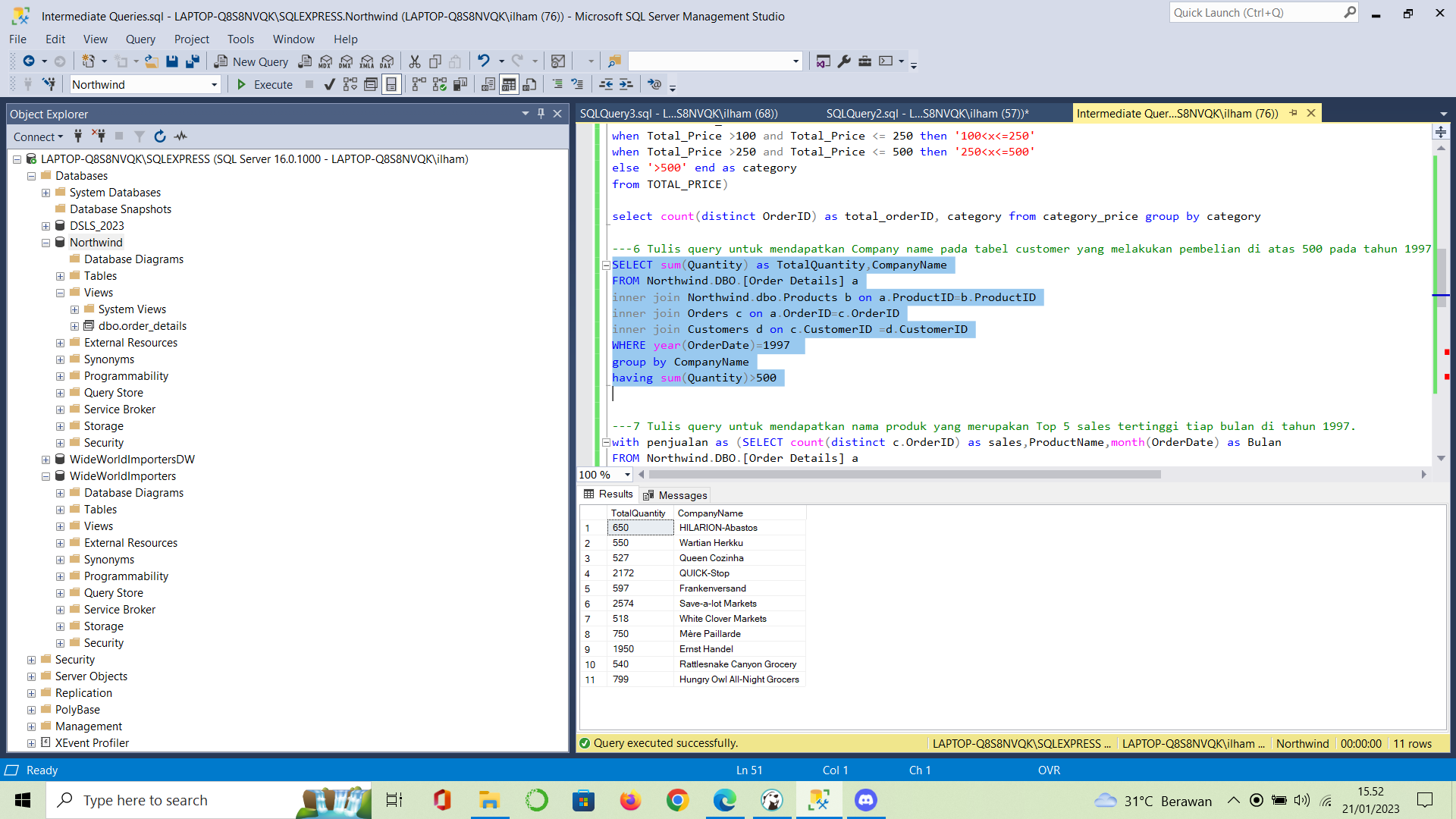
inner join Orders c on a.OrderID=c.OrderID

inner join Customers d on c.CustomerID =d.CustomerID

WHERE year(OrderDate)=1997

group by CompanyName

having sum(Quantity)>500



---7 Tulis query untuk mendapatkan nama produk yang merupakan Top 5 sales tertinggi tiap bulan di tahun 1997.

with penjualan as (SELECT count(distinct c.OrderID) as sales,ProductName,month(OrderDate) as Bulan

FROM Northwind.DBO.[Order Details] a

inner join Northwind.dbo.Products b on a.ProductID=b.ProductID

inner join Orders c on a.OrderID=c.OrderID

inner join Customers d on c.CustomerID =d.CustomerID

where year(OrderDate)=1997

group by ProductName,month(OrderDate))

SELECT \*

FROM

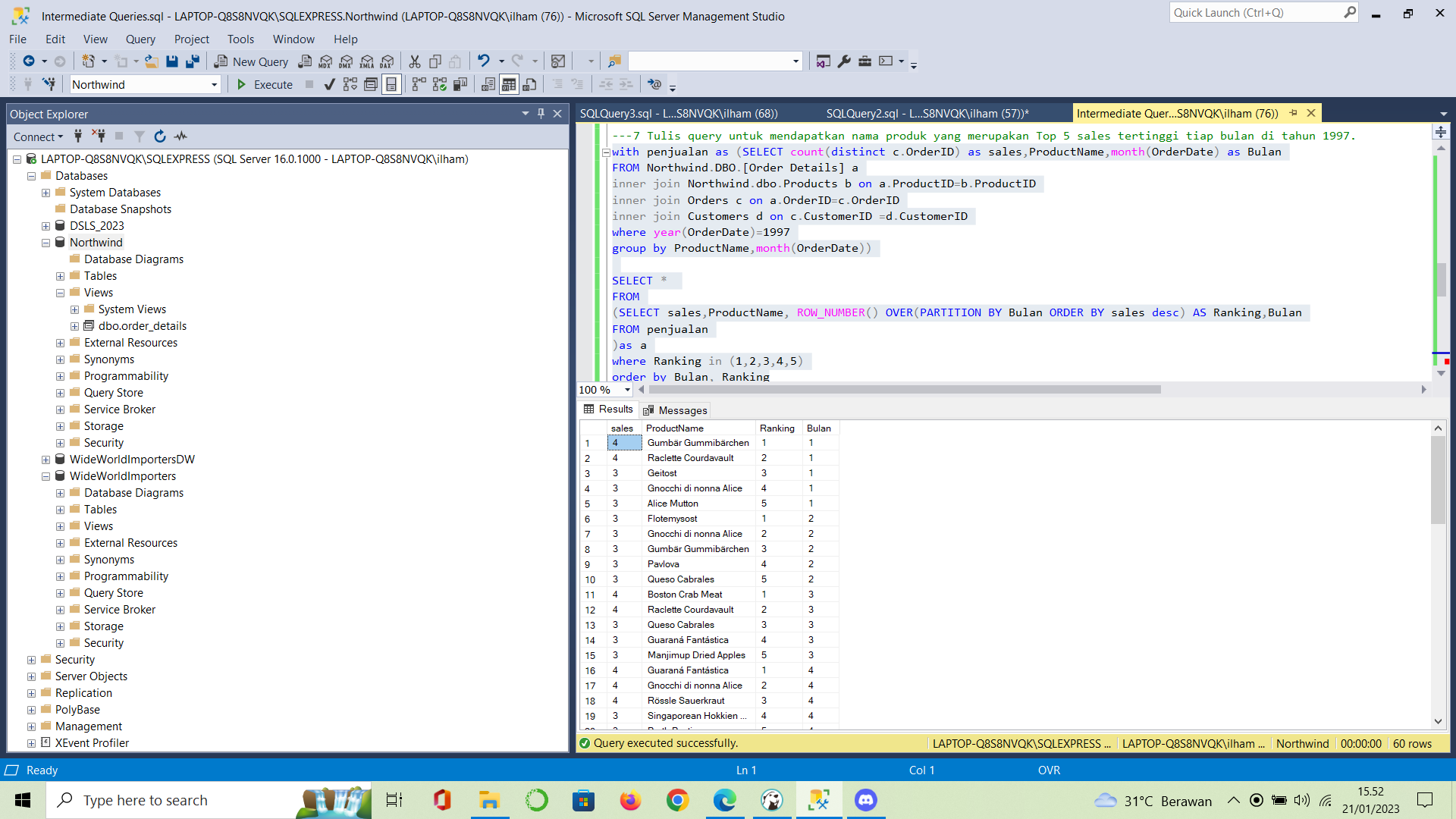
(SELECT sales,ProductName, ROW\_NUMBER() OVER(PARTITION BY Bulan ORDER BY sales desc) AS Ranking,Bulan

FROM penjualan

)as a

where Ranking in (1,2,3,4,5)

order by Bulan, Ranking



---8 Buatlah view untuk melihat Order Details yang berisi OrderID, ProductID, ProductName, UnitPrice, Quantity, Discount, Harga setelah diskon.

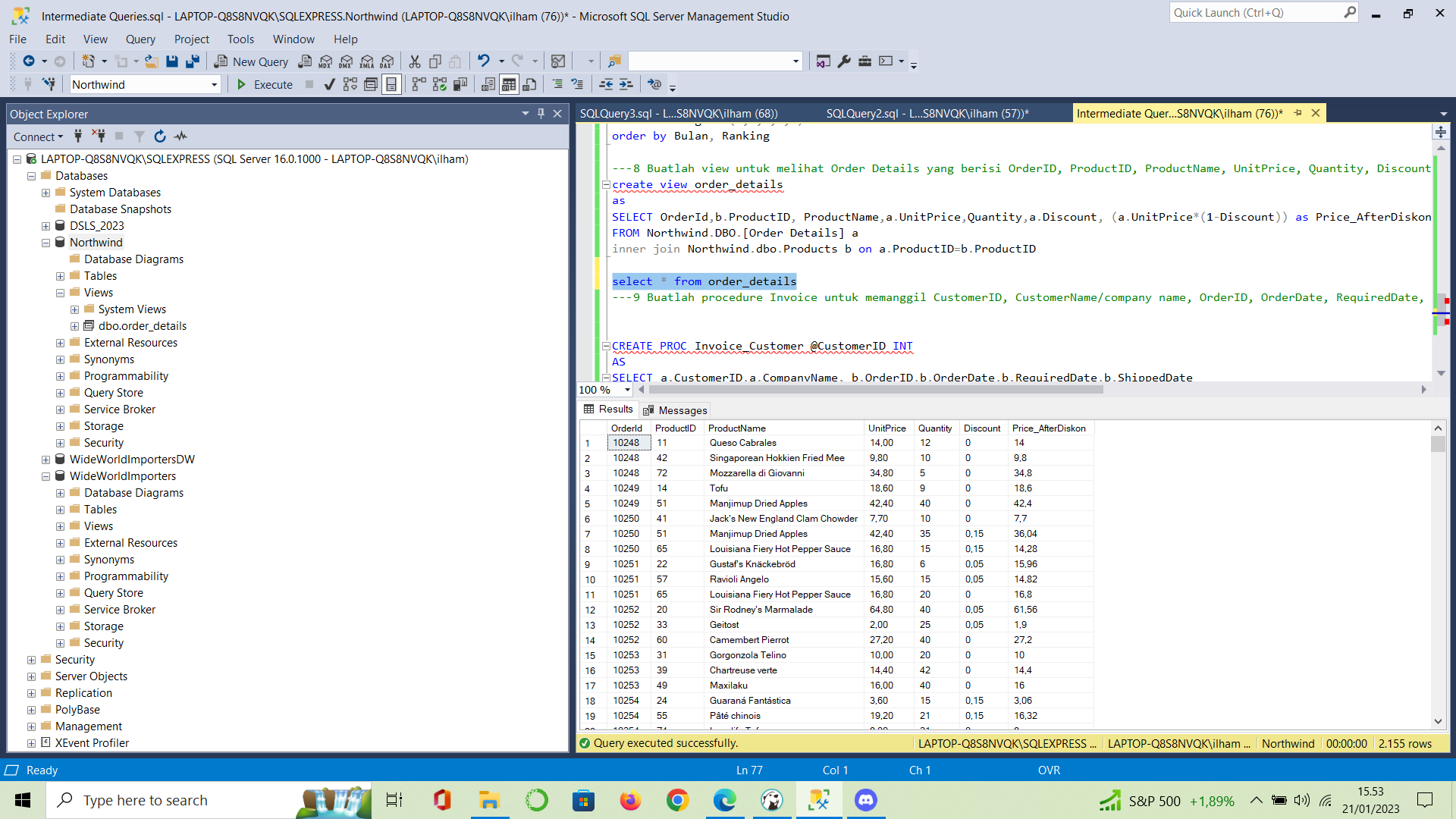
create view order\_details

as

SELECT OrderId,b.ProductID, ProductName,a.UnitPrice,Quantity,a.Discount, (a.UnitPrice\*(1-Discount)) as Price\_AfterDiskon

FROM Northwind.DBO.[Order Details] a

inner join Northwind.dbo.Products b on a.ProductID=b.ProductID



---9 Buatlah procedure Invoice untuk memanggil CustomerID, CustomerName/company name, OrderID, OrderDate, RequiredDate, ShippedDate jika terdapat inputan CustomerID tertentu.

CREATE PROC Invoice\_CustomerId @CustomerID Varchar(50)

AS

SELECT a.CustomerID,a.CompanyName, b.OrderID,b.OrderDate,b.RequiredDate,b.ShippedDate

FROM Customers a

inner join Orders b on a.CustomerID=b.CustomerID

WHERE a.CustomerID = @CustomerID

