

SQL: SQL Server, SSMS, Azure Data Studio

This query is in an Azure Data Studio notebook connected to the Northwind database in SQL Server.

This returns the CustomerID, CompanyName and TotalOrderAmount for orders with totals greater than \$15,000 in 2016.

Results can be saved as a .CSV file, or produced as visual charts.

Azure Data Studio is a free tool and with Python and Jupyter Notebooks are a great way to do analysis at low cost.

The screenshot shows the Azure Data Studio interface with a notebook titled 'Northwind.ipynb'. The query editor contains the following SQL code:

```
[55] 1 SELECT Customers.CustomerID,
2     Customers.CompanyName,
3     'TotalOrderAmount' = SUM(OrderDetails.UnitPrice*OrderDetails.Quantity)
4 FROM Customers
5 JOIN Orders ON Customers.CustomerID=Orders.CustomerID
6 JOIN OrderDetails ON Orders.OrderID=OrderDetails.OrderID
7 WHERE (OrderDate >= '20160101' AND OrderDate < '20170101')
8 GROUP BY Customers.CustomerID, Customers.CompanyName
9 HAVING SUM(Quantity*UnitPrice) > 15000
10 ORDER BY TotalOrderAmount DESC;
```

The query executed successfully, affecting 9 rows. The results are displayed in a table below the query editor:

	CustomerID	CompanyName	TotalOrderAmount
1	SAVEA	Save-a-lot Markets	42806.25
2	ERNSH	Ernst Handel	42598.90
3	QUICK	QUICK-Stop	40526.99
4	HANAR	Hanari Carnes	24238.05
5	HUNGO	Hungry Owl All-Ni...	22796.34
6	RATTG	Rattlesnake Canyo...	21725.60
7	KOENE	Königlich Essen	20204.95
8	FOLKO	Folk och fä HB	15973.85
9	WHITC	White Clover Mark...	15278.90