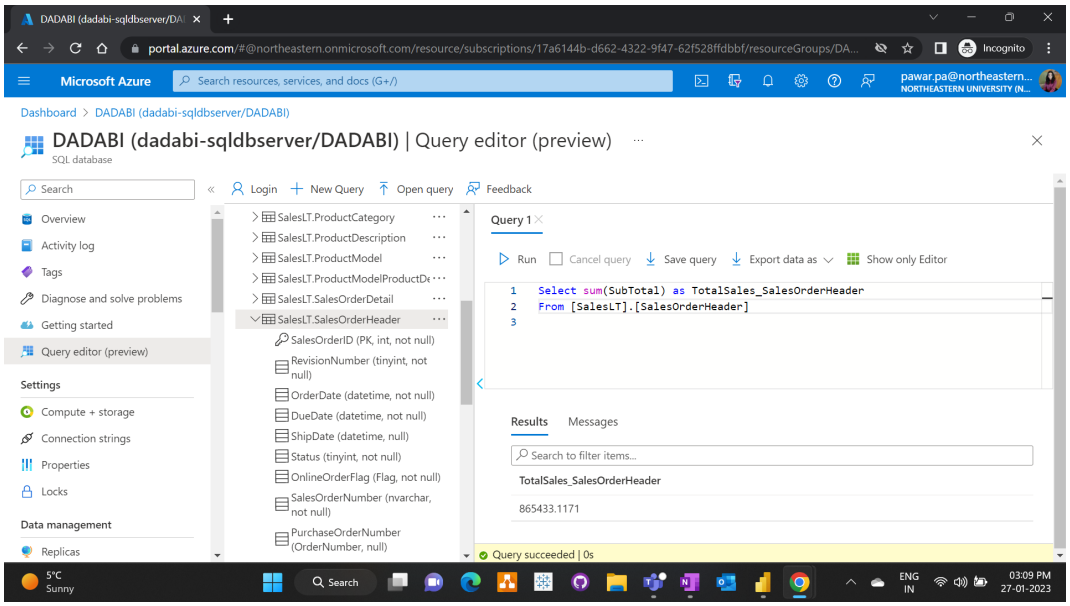
a) Total sales $

- Using SalesOrderHeader (ties to customer)

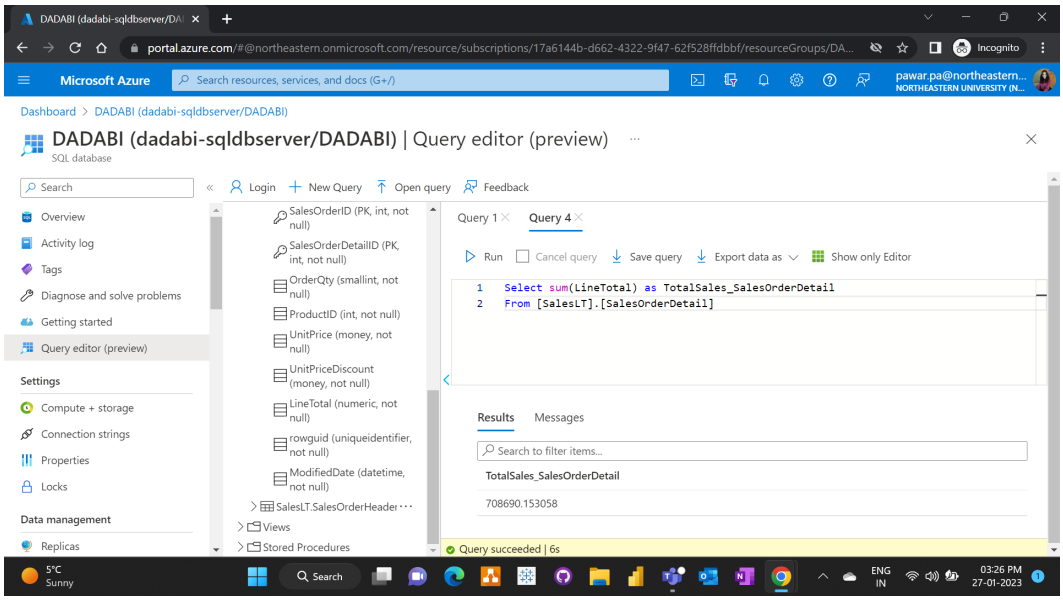
```
Select sum(SubTotal) as TotalSales_SalesOrderHeader
From [SalesLT].[SalesOrderHeader]
```



Total rows: 1

- Using SalesOrderDetail (ties to product)

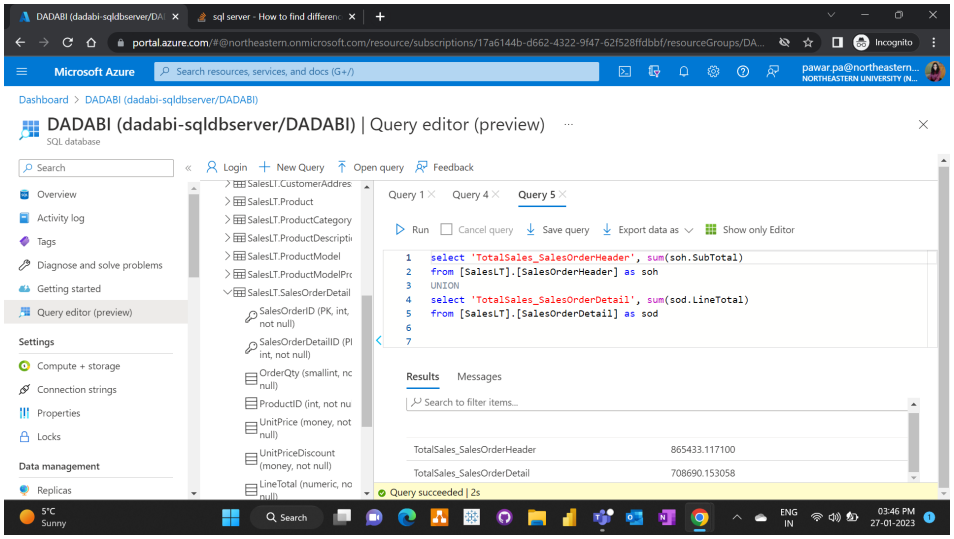
```
Select sum(LineTotal) as TotalSales_SalesOrderDetail
From [SalesLT].[SalesOrderDetail]
```



Total rows: 1

▪ Comparison querying with SalesOrderHeader vs SalesOrderDetail

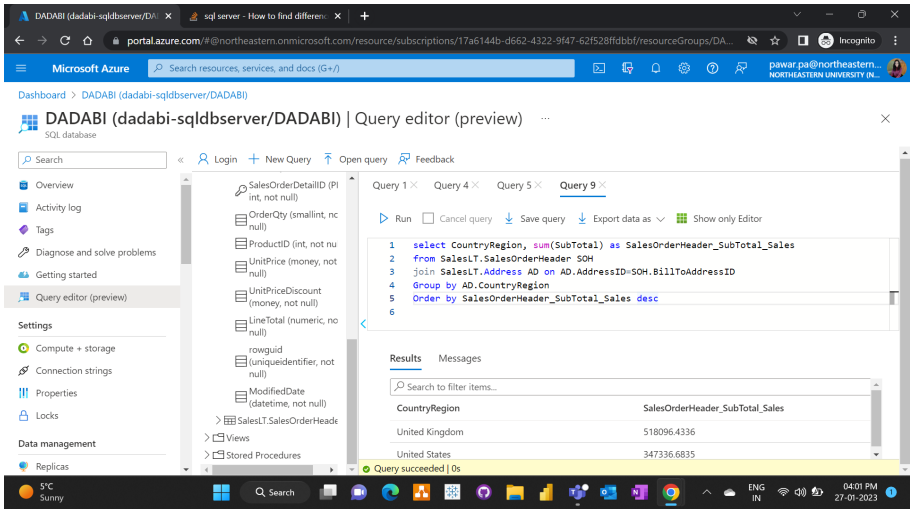
```
select 'TotalSales_SalesOrderHeader', sum(soh.SubTotal)
from [SalesLT].[SalesOrderHeader] as soh UNION
select 'TotalSales_SalesOrderDetail', sum(sod.LineTotal)
from [SalesLT].[SalesOrderDetail] as sod
```



Total rows: 2

b) Total sales $ by country – ranked/sorted (highest to lowest)

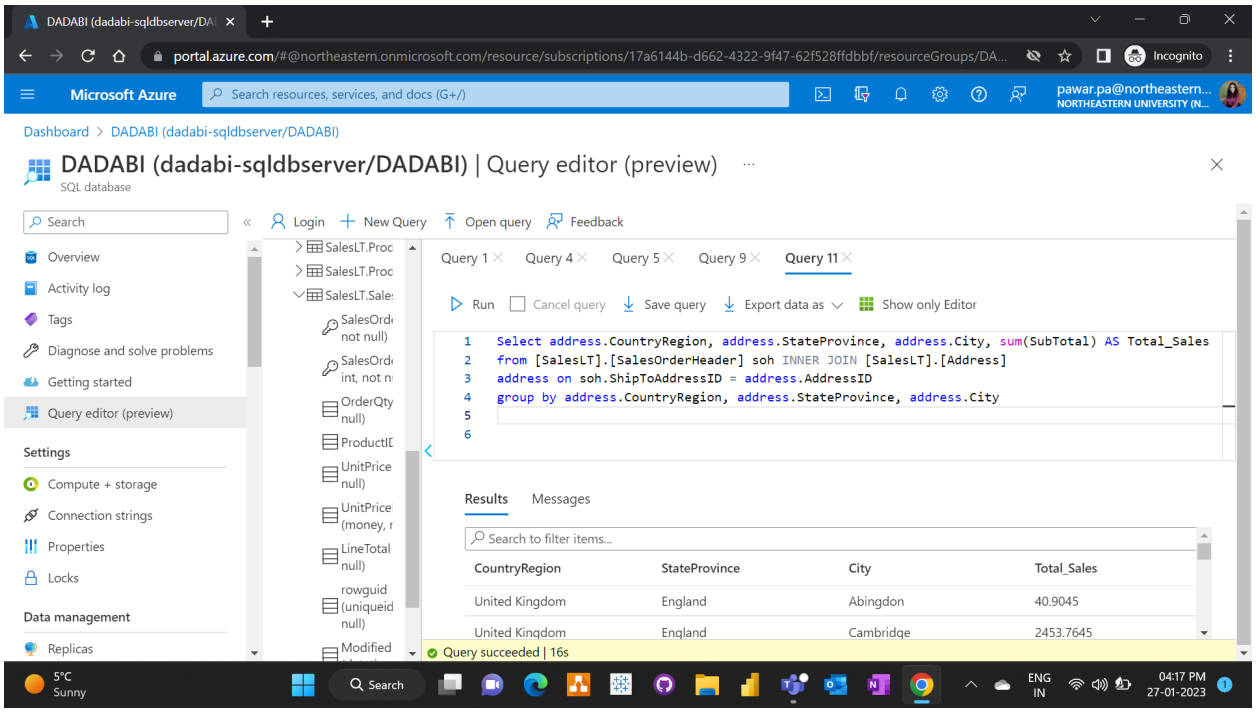
```
select CountryRegion, sum(SubTotal) as SalesOrderHeader_SubTotal_Sales
from SalesLT.SalesOrderHeader SOH
join SalesLT.Address AD on AD.AddressID=SOH.BillToAddressID
Group by AD.CountryRegion
Order by SalesOrderHeader_SubTotal_Sales desc
```



Total rows: 2

c) Total sales $ by country, state & city

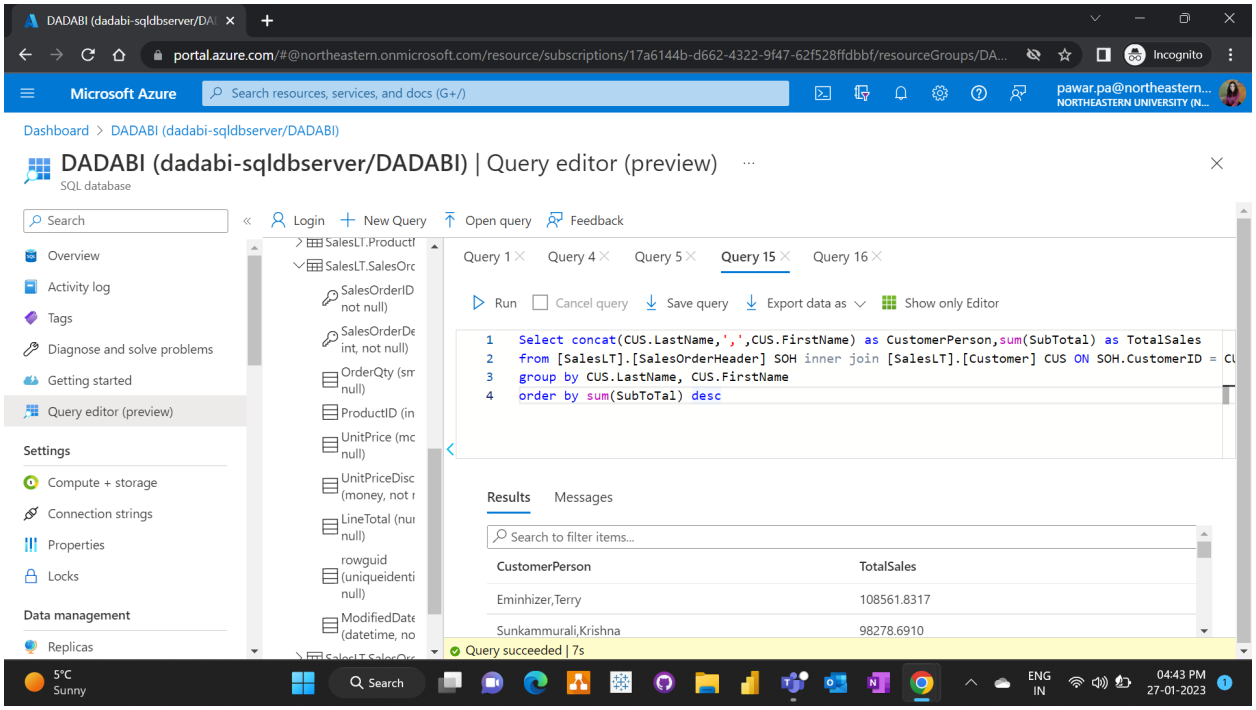
```
Select address.CountryRegion, address.StateProvince, address.City,
sum(SubTotal) AS Total_Sales
from [SalesLT].[SalesOrderHeader] soh INNER JOIN [SalesLT].[Address]
address on soh.ShipToAddressID = address.AddressID
group by address.CountryRegion, address.StateProvince, address.City
```



Total rows: 29

d) Total sales $ by customer (person) – ranked/sorted (highest to lowest)

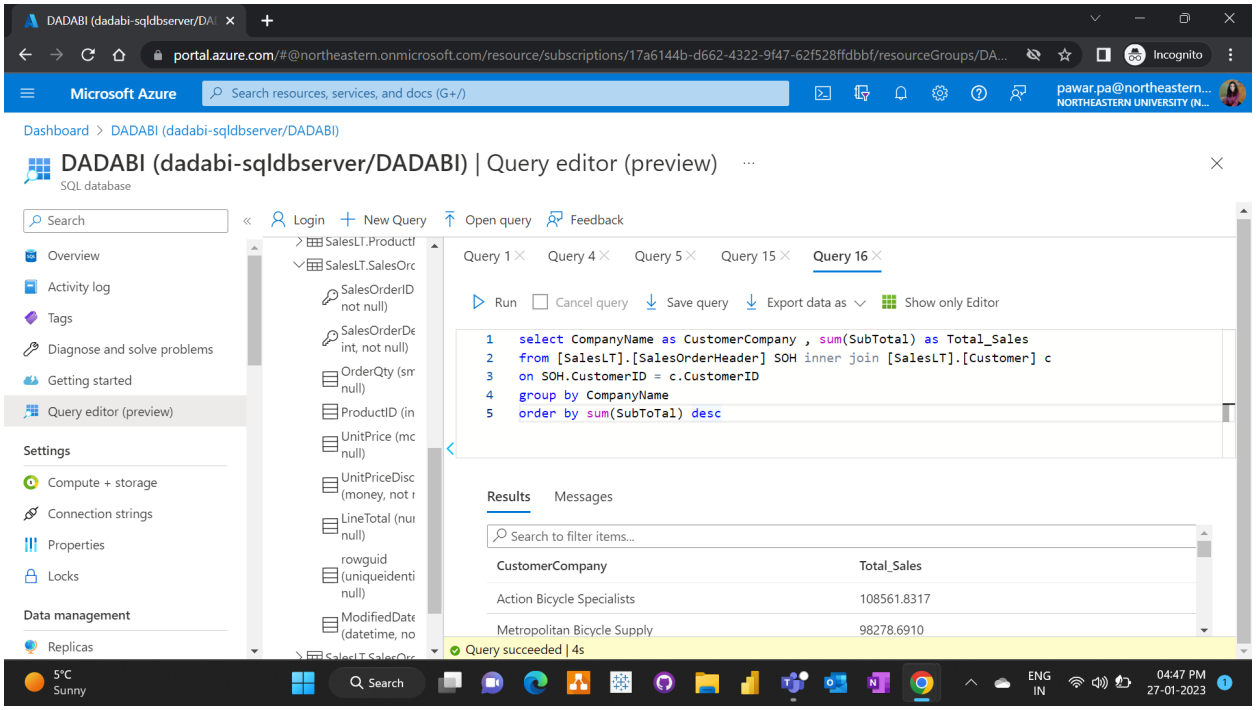
```
Select concat(CUS.LastName,',',CUS.FirstName) as
CustomerPerson,sum(SubTotal) as TotalSales
from [SalesLT].[SalesOrderHeader] SOH inner join [SalesLT].[Customer] CUS
ON SOH.CustomerID = CUS.CustomerID
group by CUS.LastName, CUS.FirstName
order by sum(SubToTal) desc
```



Total rows: 32

e) Total sales $ & by customer (company) – ranked/sorted (highest to lowest)

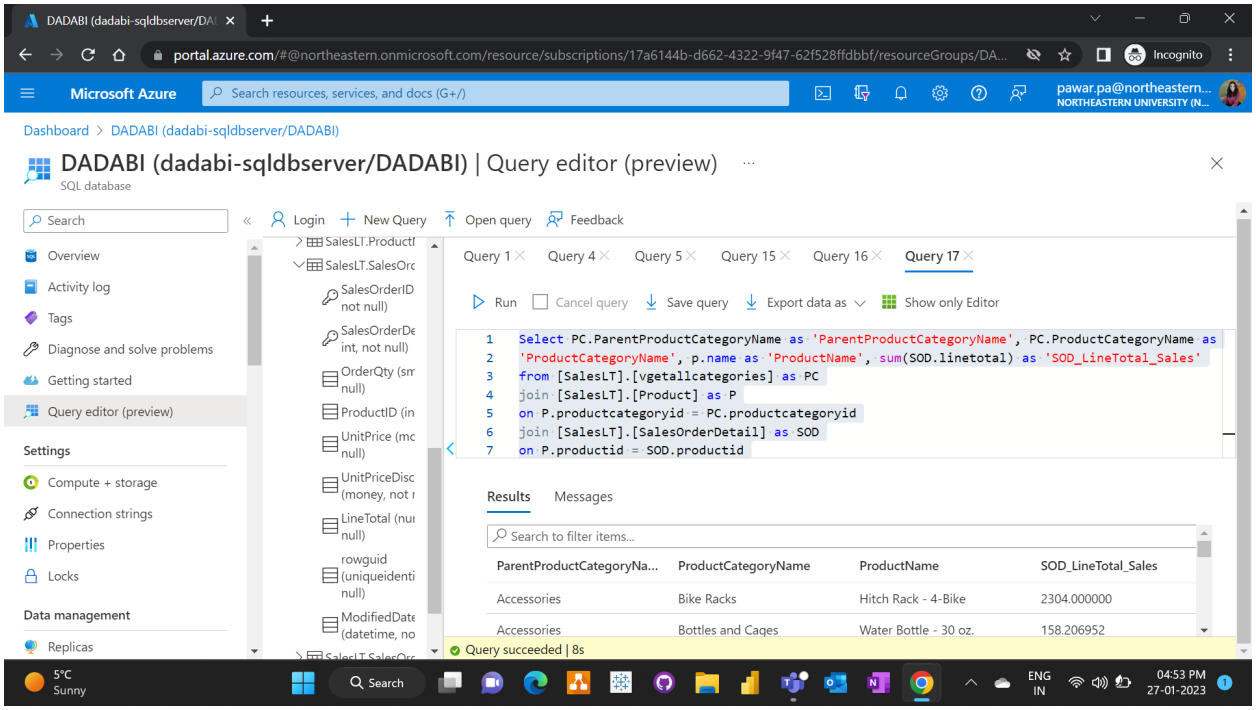
```
select CompanyName as CustomerCompany , sum(SubTotal) as Total_Sales
from [SalesLT].[SalesOrderHeader] SOH inner join [SalesLT].[Customer] c
on SOH.CustomerID = c.CustomerID
group by CompanyName
order by sum(SubToTal) desc
```



Total rows: 32

f) Sales $ by product category hierarchy – Product & vGetAllCategories

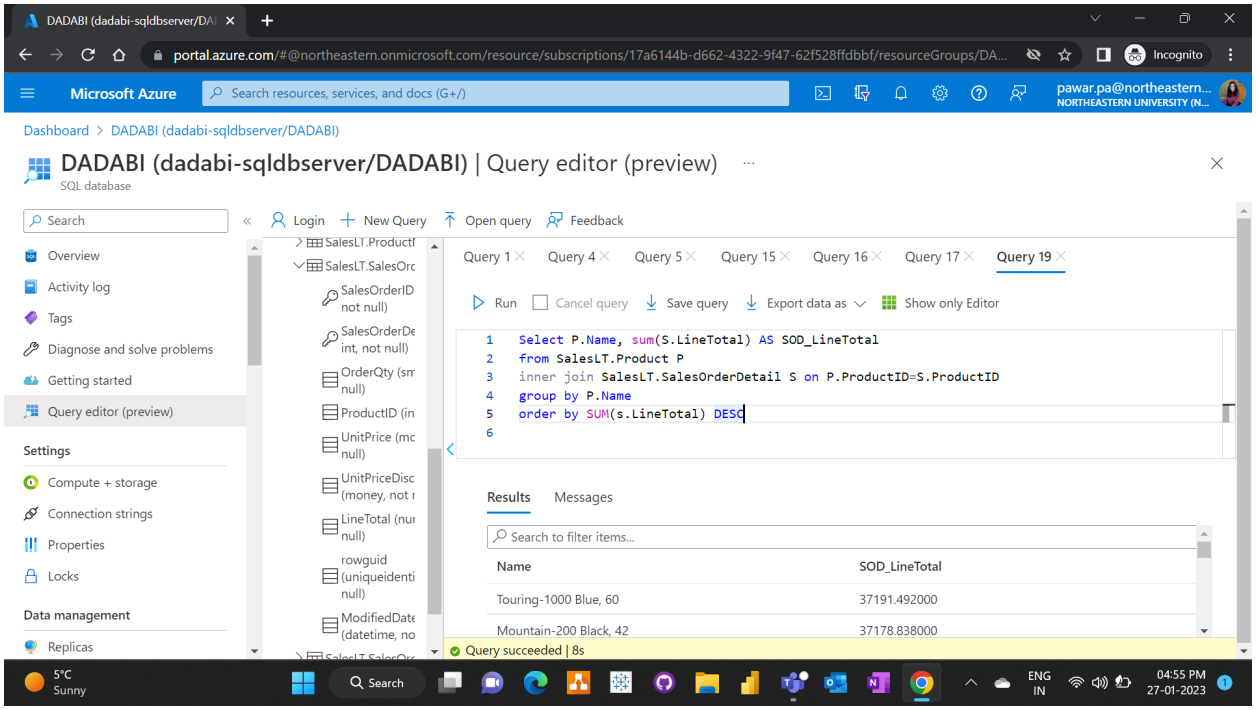
```
Select PC.ParentProductCategoryName as 'ParentProductCategoryName',
PC.ProductCategoryName as
'ProductCategoryName', p.name as 'ProductName', sum(SOD.linetotal) as
'SOD_LineTotal_Sales'
from [SalesLT].[vgetallcategories] as PC
join [SalesLT].[Product] as P
on P.productcategoryid = PC.productcategoryid
join [SalesLT].[SalesOrderDetail] as SOD
on P.productid = SOD.productid
group by PC.ParentProductCategoryName,PC.ProductCategoryName,P.name
```



Total rows: 142

g) Sales $ by product name – ranked/sorted (highest to lowest)

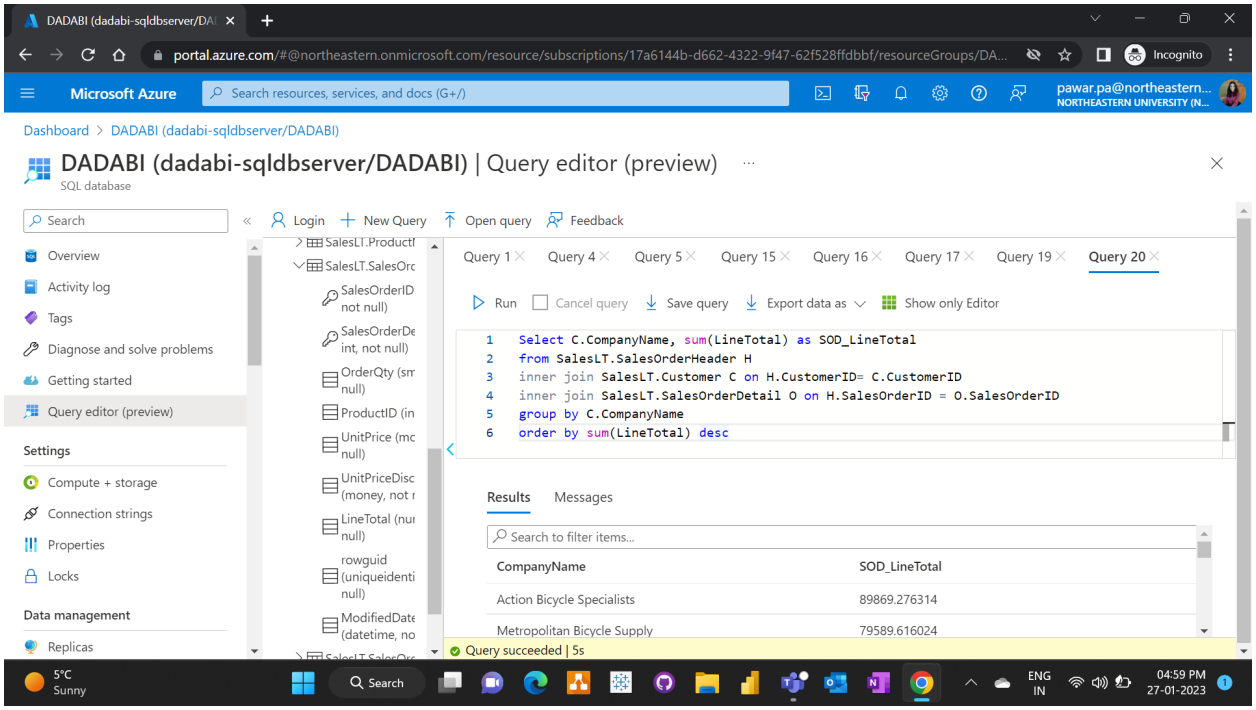
```
Select P.Name, sum(S.LineTotal) AS SOD_LineTotal
from SalesLT.Product P
inner join SalesLT.SalesOrderDetail S on P.ProductID=S.ProductID
group by P.Name
order by SUM(s.LineTotal) DESC
```



Total rows: 142

h) Sales $ by Company (Reseller)

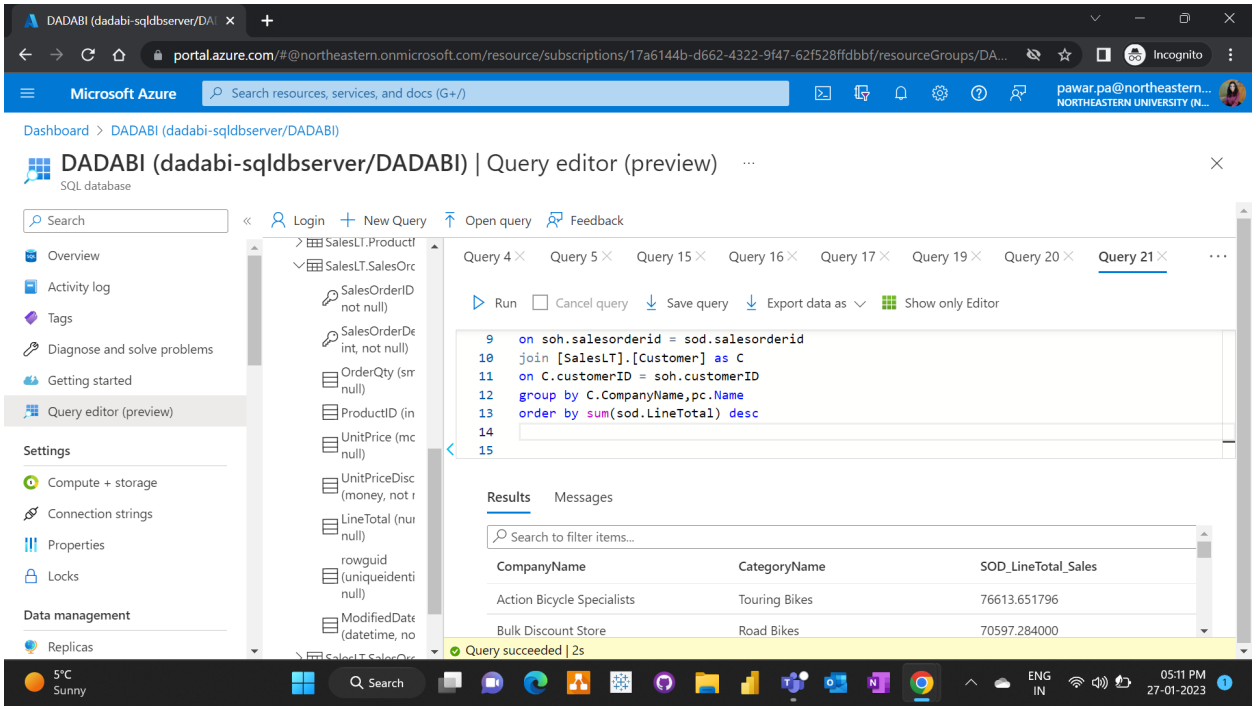
```
Select C.CompanyName, sum(LineTotal) as SOD_LineTotal
from SalesLT.SalesOrderHeader H
inner join SalesLT.Customer C on H.CustomerID= C.CustomerID
inner join SalesLT.SalesOrderDetail O on H.SalesOrderID = O.SalesOrderID
group by C.CompanyName
order by sum(LineTotal) desc
```



Total rows: 32

i) Product Category Sales $ by Company (Reseller)

```
select C.CompanyName as 'CompanyName', PC.Name as 'CategoryName',
sum(sod.LineTotal) as
'SOD_LineTotal_Sales'
from [SalesLT].[ProductCategory] as PC
join [SalesLT].[Product] as P
on P.productcategoryid = PC.productcategoryid
join [SalesLT].[SalesOrderDetail] as sod
on sod.productid = P.productid
join [SalesLT].[SalesOrderHeader] as soh
on soh.salesorderid = sod.salesorderid
join [SalesLT].[Customer] as C
on C.customerID = soh.customerID
group by C.CompanyName,pc.Name
order by sum(sod.LineTotal) desc
```



Total rows: 195