Name: Kaushal Chaudhary NUID: 001886763

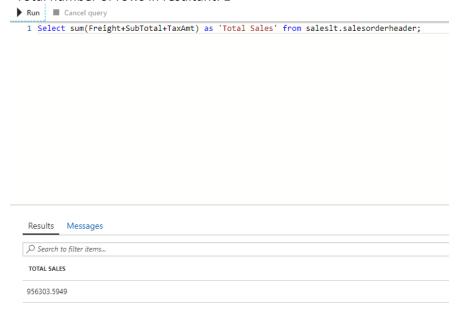
ASSIGNMENT 1 (SQL Queries)

SQL QUERIES

- 1. Total sales
 - a. Using SalesOrderHeader
 - Query:

Select sum(Freight+SubTotal+TaxAmt) as 'Total Sales' from saleslt.salesorderheader;

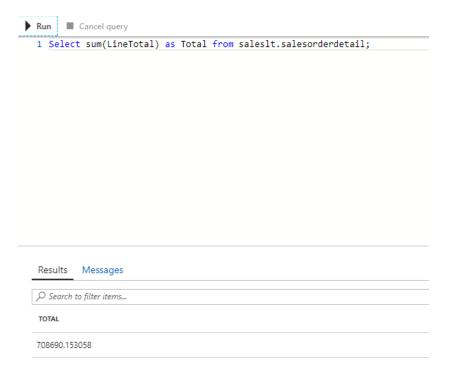
- Input Columns: salesIt.salesorderheader
- Output Table: sum(Freight+SubTotal+TaxAmt
- Total number of rows in resultant: 1



- b. Using SalesOrderDetail
- Query:

Select sum(LineTotal) as Total from saleslt.salesorderdetail;

- Input Table: salesIt.salesorderdetail
- Output Table: sum(LineTotal)
- Total number of rows in resultant: 1



2. Total sales by country – ranked/sorted (highest to lowest)

Query:

Select distinct(countryregion) as Country, sum(totaldue) as Sales from saleslt.address as a inner join saleslt.salesorderheader as o on a.addressid=o.billtoaddressid group by countryregion

order by sum(totaldue) desc;

- Input Table: salesIt.address, salesIt.salesorderheader
- Output Table: countryregion, sum(Totaldue)
- Total number of rows in resultant: 2



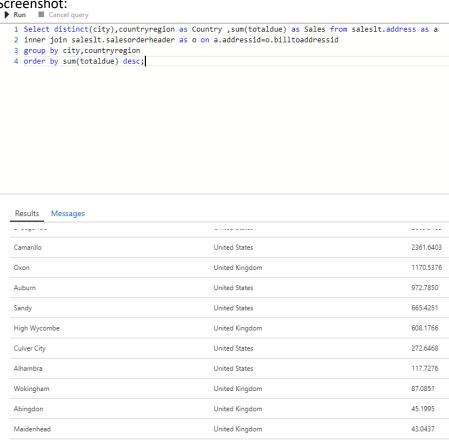
- 3. Total sales by city & country ranked/sorted (highest to lowest)
- Query:

Select distinct(city), country region as Country, sum(totaldue) as Sales from saleslt.address as a inner join saleslt.salesorderheader as o on a.addressid=o.billtoaddressid group by city, country region order by sum(totaldue) desc;

- Input Table: saleslt.address, saleslt.salesorderheader
- Output Table: city, countryregion, sum(Totaldue)
- Total number of rows in resultant: 29

Screenshot:

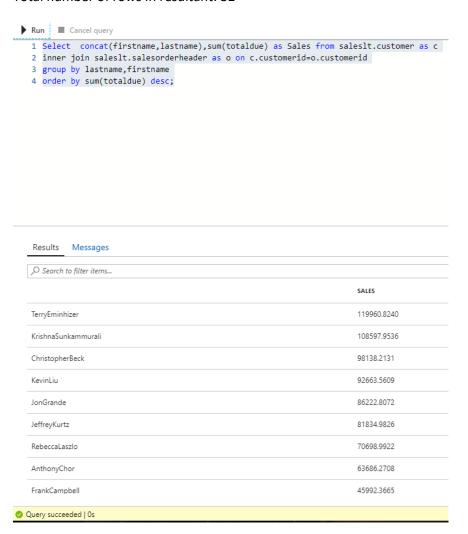
Query succeeded | 0s



- 4. Total sales by customer (person) ranked/sorted (highest to lowest)
- Query:

Select concat(firstname,lastname),sum(totaldue) as Sales from saleslt.customer as c inner join saleslt.salesorderheader as o on c.customerid=o.customerid group by lastname,firstname order by sum(totaldue) desc;

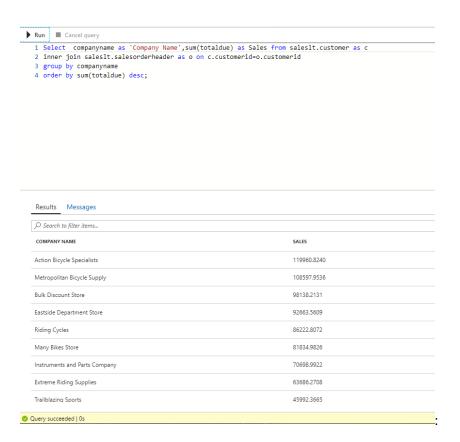
- Input Table: salesIt.customer, salesIt.salesorderheader
- Output Table:firstname,lastname, sum(totaldue)
- Total number of rows in resultant: 32



- 5. Total sales by customer (company) ranked/sorted (highest to lowest)
- Query:

Select companyname as 'Company Name',sum(totaldue) as Sales from saleslt.customer as c inner join saleslt.salesorderheader as o on c.customerid=o.customerid group by companyname order by sum(totaldue) desc;

- Input Columns: salesIt.salesorderheader, salesIt.customer
- Output Columns: companyname, sum(totaldue)
- Total number of rows in resultant: 32

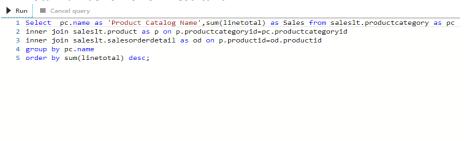


- 6. Sales by product name ranked/sorted (highest to lowest)
- Query:

Select p.name as 'Product Name' ,sum(linetotal) as Sales from saleslt.product as p inner join saleslt.salesorderdetail as od on p.productid=od.productid group by p.name

order by sum(linetotal) desc;

- Input Columns: salesIt. salesorderdetai, salesIt. product
- Output Columns: name, sum(linetotal)
- Total number of rows in resultant: 142



Results Messages	
∠ Search to filter items	
PRODUCT CATALOG NAME	SALES
Touring Bikes	220655.375796
Road Bikes	183130.296808
Mountain Bikes	170825.886000
Mountain Frames	54949.602000
Road Frames	24346.584000
Touring Frames	19066.260000
Jerseys	7017.880276
Vests	4309.903750
Cranksets	3968.868000
Query succeeded 0s	

7. Sales by product category – ranked/sorted (highest to lowest) Query:

Select pc.name as 'Product Catalog Name',sum(linetotal) as Sales from saleslt.productcategory as pc

inner join saleslt.product as p on p.productcategoryid=pc.productcategoryid inner join saleslt.salesorderdetail as od on p.productid=od.productid group by pc.name

order by sum(linetotal) desc;

- Input Columns: salesIt. salesorderdetai, salesIt. productcatalog
- Output Columns: name, sum(linetotal)
- Total number of rows in resultant: 26

