**INFO 7290- Data Warehousing and Business Intelligence GROUP 16**

**ADVENTUREWORKS2016\_PURCHASINGDW**

**GROUP MEMBERS:**

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o Ranked order of Vendors by purchase amount $

select DV.VendorName as 'Vendor Name', SUM(FP.TotalDue) as 'Purchase Amount'

from FactPurchases as FP

Inner join DimVendors as DV

on FP.VendorID = DV.BusinessEntityID

group by DV.VendorName

order by SUM(FP.TotalDue) DESC;

o Ranked order of products by amount $

 By category

select DP.ProductCategoryName as 'Product Category', SUM(FP.LineTotal) as 'Purchase Amount'

from FactPurchases as FP

inner join DimProducts\_Purchased as DP

on FP.ProductPurchasedSK = DP.ProductPurchasedSK

group by DP.ProductCategoryName

order by SUM(FP.LineTotal) desc;

 By subcategory

select DP.ProductSubcategoryName as 'Product Subcategory', SUM(FP.LineTotal) as 'Purchase Amount'

from FactPurchases as FP

inner join DimProducts\_Purchased as DP

on FP.ProductPurchasedSK = DP.ProductPurchasedSK

group by DP.ProductSubcategoryName

order by SUM(FP.LineTotal) desc;

 By product model (top 20)

select DP.ModelName as 'Product Model', SUM(FP.LineTotal) as 'Purchase Amount'

from FactPurchases as FP

inner join DimProducts\_Purchased as DP

on FP.ProductPurchasedSK = DP.ProductPurchasedSK

group by DP.ModelName

order by SUM(FP.LineTotal) desc

Limit 20;

 By product (top 20)

select DP.ProductName as 'Product Name', SUM(FP.LineTotal)as 'Purchase Amount'

from FactPurchases as FP

inner join DimProducts\_Purchased as DP

on FP.ProductPurchasedSK = DP.ProductPurchasedSK

group by DP.ProductName

order by SUM(FP.LineTotal) desc

LIMIT 20;

o Ranked list of employees purchasing products amount $

select SUM(FP.TotalDue) as 'Purchase Amount'

from FactPurchases as FP

Inner join DimEmployee as DE

on FP. EmployeeID = DE.BusinessEntityID

group by DE.FirstName, DE.MiddleName, DE.LastName

order by SUM(FP.TotalDue) desc;

o List of employees who purchased products with phone, email & address

select distinct concat(DE.FirstName,' ',DE.MiddleName,' ',DE.LastName)as 'Employee Full Name',

DE.Phone, DE.EmailAddress, DE.AddressLine1, DE.AddressLine2, DG.City, DG.StateProvinceName as 'State', DG.PostalCode

from FactPurchases as FP

Inner join DimEmployee as DE

on FP. EmployeeID = DE.BusinessEntityID

Inner join DimGeography as DG

on DE.GeoSK = DG.GeoSK

Group by DE.FirstName,DE.MiddleName,DE.LastName;

o List of purchasing contacts with vendor name, phone, email & address

select distinct concat(DVC.FirstName,' ',DVC.LastName)as 'Vendor Full Name', DVC.PhoneNumber, DVC.EmailAddress, DV.AddressLine1, DV.AddressLine2, DG.City, DG.StateProvinceName as 'State', DG.PostalCode

from FactPurchases as FP

Inner join DimVendorContacts as DVC

on FP.VendorID = DVC.Vendor\_BusinessEntityID

Inner join DimVendors as DV

on DVC.VendorSK = DV.VendorSK

Inner join DimGeography as DG

on DV.GeoSK = DG.GeoSK

Group by DVC.FirstName,DVC.LastName;