* BI Queries & results (SQL queries is fine, can use BI tools but NOT graded on BI)
  + Ranked order of Vendors by purchase amount $

select RANK() over (order by SUM(FP.TotalDue) desc) as Ranking, DV.VendorName as 'Vendor Name', CONCAT('$',SUM(FP.TotalDue)) as 'Purchase Amount'

from FactPurchases as FP

Inner join DimVendors as DV

on FP.VendorID = DV.BusinessEntityID

group by DV.VendorName;

* + Ranked order of products by amount $
    - By category

select RANK() over (order by SUM(FP.LineTotal) desc) as Ranking, DP.ProductCategoryName as 'Product Category', CONCAT('$',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;

* + - By subcategory

select RANK() over (order by SUM(FP.LineTotal) desc) as Ranking, DP.ProductSubcategoryName as 'Product Subcategory', CONCAT('$',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;

* + - By product model (top 20)

select Top 20 RANK() over (order by SUM(FP.LineTotal) desc) as Ranking, DP.ModelName as 'Product Model', CONCAT('$',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;

* + - By product (top 20)

select Top 20 RANK() over (order by SUM(FP.LineTotal) desc) as Ranking, DP.ProductName as 'Product Name', CONCAT('$',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;

* + Ranked list of employees purchasing products amount $

select RANK() over (order by SUM(FP.TotalDue) desc) as Ranking, (DE.FirstName +' '+ DE.MiddleName+' '+ DE.LastName)as 'Employee Full Name', CONCAT('$',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;

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

select (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;

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

select (DVC.FirstName +' '+ DVC.MiddleName+' '+ 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;