**AdventureWorksDW Data Load - Part 3**

**SQL Queries**

**Team 4**

-- 1. What are AdventureWorks purchases (Purchase cost & quantity) by product?

SELECT pp.ProductName, SUM(fp.OrderQty) AS PurchaseQuantity, SUM(fp.TotalDue) AS PurchaseCost

FROM FCT\_Purchases fp

JOIN DIM\_products\_purchased pp ON fp.ProductPurchasedSK = pp.ProductPurchasedSK

GROUP BY pp.ProductName

ORDER BY SUM(fp.TotalDue) DESC, SUM(fp.OrderQty)

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--2. What types of products are purchased?

SELECT DISTINCT pp.ProductCategoryName, pp.ProductSubcategoryName, SUM(fp.TotalDue) AS TotalPurchaseQuantity

FROM FCT\_Purchases fp

JOIN DIM\_products\_purchased pp ON fp.ProductPurchasedSK = pp.ProductPurchasedSK

WHERE pp.ProductCategoryName IS NOT NULL

GROUP BY pp.ProductCategoryName, pp.ProductSubcategoryName

ORDER BY SUM(fp.TotalDue) DESC

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--3. What are AdventureWorks product purchases (Purchase cost & quantity) by vendor?

SELECT DISTINCT v.VendorName, SUM(fp.OrderQty) AS TotalPurchaseQuantity, SUM(fp.TotalDue) AS PurchaseCost

FROM FCT\_Purchases fp

JOIN DIM\_vendors v ON fp.VendorSK = v.VendorSK

GROUP BY v.VendorName

ORDER BY SUM(fp.TotalDue) DESC, SUM(fp.OrderQty)

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--4. What AdventureWorks’ employees were involved in the above purchasing and what did they purchase

SELECT CONCAT(e.LastName, ', ', e.FirstName) as EmployeeName, pp.ProductName AS PurchasedProductName, pp.ProductCategoryName AS PurchasedProductCategory, SUM(fp.TotalDue) AS TotalPurchaseQuantity

FROM DIM\_employee e

JOIN FCT\_Purchases fp ON fp.EmployeeSK = e.EmployeeSK

JOIN DIM\_products\_purchased pp ON fp.ProductPurchasedSK = pp.ProductPurchasedSK

WHERE pp.ProductCategoryName IS NOT NULL

GROUP BY e.LastName, e.FirstName, pp.ProductName, pp.ProductCategoryName

ORDER BY SUM(fp.TotalDue) DESC

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--5. What vendors’ contacts were involved in the above purchasing and what did they purchase

SELECT CONCAT(vc.LastName, ', ', vc.FirstName) as VendorContactName, pp.ProductName AS PurchasedProductName, pp.ProductCategoryName AS PurchasedProductCategory, SUM(fp.TotalDue) AS TotalPurchaseQuantity

FROM DIM\_vendorcontacts vc

JOIN DIM\_vendors v ON vc.VendorSK = v.VendorSK

JOIN FCT\_Purchases fp ON fp.VendorSK = v.VendorSK

JOIN DIM\_products\_purchased pp ON fp.ProductPurchasedSK = pp.ProductPurchasedSK

WHERE pp.ProductCategoryName IS NOT NULL

GROUP BY vc.LastName, vc.FirstName, pp.ProductName, pp.ProductCategoryName

ORDER BY SUM(fp.TotalDue) DESC

Graphical user interface, text, application

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