Team 7

Adventure works Purchasing DW

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

Query –

with valuesa as (

select (unitPrice\*orderQuantity) as "Ordervalue", fp.ProductID, dp.Name, orderQuantity

from factPurchases fp

join dimProduct dp

on fp.ProductID = dp.ProductID

)

select productID, name, sum(Ordervalue) as totalSales, sum(orderQuantity) as quantity

from valuesa

group by productID, name

order by 3 desc

Screenshot -- Graphical user interface, text, application

Description automatically generated

What products are purchased?

Query –

select distinct fp.productID, dp.Name as "purchasedProducts"

from factPurchases fp

join dimProduct dp

on dp.ProductID = fp.ProductID

order by 1

Screenshot --  
 Graphical user interface, text, application, chat or text message

Description automatically generated

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

Query –   
with temp as (

select distinct fp.factPurchaseSK,

fp.EmpBusinessEntityID,fp.VendorBusinessEntityID, salesAmount, taxAmt , frieght , totalDue, dv.name

from factPurchases fp

join dimvendor dv

on fp.VendorBusinessEntityID = dv.VendorBusinessEntityID

)

select distinct VendorBusinessEntityID, name, sum(t.salesAmount) as "totalSales",

(select sum(orderQuantity) from factPurchases fp2 where fp2.VendorBusinessEntityID = t.VendorBusinessEntityID) as "purchasedQuantity"

from temp t

group by VendorBusinessEntityID, name

order by 3 desc

Screenshot --   
Graphical user interface, text, application, email

Description automatically generated

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

Query –   
select distinct fp.EmpBusinessEntityID, de.firstName, de.lastName, fp.ProductID, dp.Name as productName

from factPurchases fp

join dimEmployee de

on fp.EmpBusinessEntityID = de.EmpBusinessEntityID

join dimProduct dp

on fp.ProductID = dp.ProductID

Screenshot --   
Graphical user interface, text, application, email

Description automatically generated

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

Query –   
select distinct fp.VendorBusinessEntityID, de.Name as "vendorName", fp.ProductID as productID, dp.Name as productName

from factPurchases fp

join dimVendor de

on fp.VendorBusinessEntityID = de.VendorBusinessEntityID

join dimProduct dp

on fp.ProductID = dp.ProductID

order by 1, 3

Screenshot --   
Graphical user interface, text, application, email

Description automatically generated