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Query Optimization and Errors

November 27, 2019

Part 1

1. Using what you have learned, replicate the data found in #MySalesOrderDetailbyDate and #MyProductPriceHistory using a single line of SQL code. Refer back to the Topic 5 assignment for this information. Modify the query completed in the Topic 6 assignment and present it in an easy-to-read format. To do this, write the query in two single statements without temporary tables, using abbreviations and line spacing.

To recreate these two queries without using Temporary tables I looked at the data result they were showing as temporary tables. The results of these temp table queries showed me what fields my non-temp table needed to show. I then found these fields in the schema and corresponding tables. Then I connected the needed tables together using join statements. Basically, I worked backwards starting with the data found in these temp tables.

**SQL Query Used to Recreate #MySalesOrderDetailbyDate:**

select prd.ProductId, prd.Name, soh.OrderDate, SUM(sod.OrderQty) as SumOfQuantity

from Production.Product as prd

inner join Sales.SalesOrderDetail as sod

on prd.ProductID = sod.ProductID

inner join sales.SalesOrderHeader as soh

on sod.SalesOrderID = soh.SalesOrderID

where sod.ProductID = '723'

group by prd.ProductID, Name, OrderDate;

**SQL Query Used to recreate #MyProductPriceHistory:**

select pph.ProductID, prd.Name, pph.EndDate, pph.ListPrice

from Production.ProductListPriceHistory as pph

inner join Production.Product as prd

on pph.productid = prd.productid

where prd.ProductID = '723' and EndDate is not null;

Part 2

1. Karen wants the titles and file names of all of the documents she has produced and has asked you to generate this information for her. Using what you have learned, produce a query in one statement to give her the information she needs.

**SQL Query Used:**

select pdoc.FileName, pdoc.Title, per.FirstName, per.LastName, hremp.JobTitle

from humanresources.employee as hremp

inner join person.person as per

on hremp.BusinessEntityID = per.BusinessEntityID

inner join Production.Document as pdoc

on per.BusinessEntityID = pdoc.Owner

where FirstName = 'Karen' and LastName = 'Berge' and per.BusinessEntityID= '220';