Section: 03

Student: Sheetal Singh

Challenge 1

Q1:

-- Retrieve Product model descriptions

select [ProductID],p.[Name],pm.[Name],pm.[Summary] from [SalesLT].[Product] p

join [SalesLT].[vProductModelCatalogDescription] pm

on p.[ProductModelID]= pm.[ProductModelID];

Q2:

-- Create table of distinct colors

DECLARE @ProductTotals TABLE

(

[Color] varchar(30)

)

INSERT INTO @ProductTotals([Color]) SELECT distinct [Color]

FROM [SalesLT].[Product]

SELECT PT.[Color],P.[Name] ,P.[ProductID]

FROM [SalesLT].[Product] P

INNER JOIN @ProductTotals PT ON P.color = PT.color ;

Q3:

-- Retrieve product parent categories

SELECT p2.[Name], p1.ProductCategoryName,p1.ParentProductCategoryName

FROM dbo.[ufnGetAllCategories]()

AS p1 INNER JOIN [SalesLT].[Product] AS p2 ON p1.ProductCategoryID = p2.ProductCategoryID

Challenge 2

Q1:

-- Retrieve sales revenue by customer and contact

WITH Sales\_CTE (CompanyName,FirstName,[TotalDue])

AS

(

SELECT c.CompanyName,c.FirstName,so.[TotalDue]

FROM [SalesLT].[Customer] c join [SalesLT].[SalesOrderHeader] so on c.[CustomerID]=so.[CustomerID]

)

SELECT [CompanyName]+ '(' +[FirstName] +')' as Details, [TotalDue]AS "Total Revenue"

FROM Sales\_CTE group by [CompanyName],[FirstName]

GO