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USE NORTHWND
GO
USE Northwind_DW
GO

CREATE PROCEDURE PopulateDB
AS
BEGIN

    TRUNCATE TABLE Northwind_DW.dbo.Dim_Products;
    TRUNCATE TABLE Northwind_DW.dbo.Dim_Employees;
    TRUNCATE TABLE Northwind_DW.dbo.Dim_Customers;
    TRUNCATE TABLE Northwind_DW.dbo.Dim_Orders;
    TRUNCATE TABLE Northwind_DW.dbo.Fact_Sales;

    DECLARE @AvgUnitPrice MONEY;
    SELECT @AvgUnitPrice = AVG(UnitPrice) FROM Northwnd.dbo.Products;

    INSERT INTO Northwind_DW.dbo.Dim_Products (ProductBK, ProductName,
    ProductUnitPrice, ProductType, CategoryName, SupplierName, Discontinued)
    SELECT
        ProductID,
        ProductName,
        UnitPrice,
        CASE WHEN UnitPrice > @AvgUnitPrice THEN 'Expensive' ELSE 'Cheap'
    END AS ProductType,
        (SELECT DISTINCT categoryname FROM Northwnd.dbo.Categories WHERE
    CategoryID = p.CategoryID) AS CategoryName,
        (SELECT DISTINCT companyname FROM Northwnd.dbo.Suppliers WHERE
    SupplierID = p.SupplierID) AS SupplierName,
        Discontinued
    FROM Northwnd.dbo.Products p;

    INSERT INTO Northwind_DW.dbo.Dim_Employees (EmployeeBK, LastName,
    FirstName, FullName, Title, BirthDate, Age, HireDate, Seniority, City,
    Country, Photo, ReportsTo)
    SELECT
        EmployeeID,
        LastName,
        FirstName,
        CONCAT(FirstName, ' ', LastName) AS FullName,
        Title,
        BirthDate,
        DATEDIFF(YEAR, BirthDate, GETDATE()) AS Age,
        HireDate,
        DATEDIFF(YEAR, HireDate, GETDATE()) AS Seniority,
        City,
        Country,
        Photo,
        CASE WHEN ReportsTo = ReportsTo THEN ReportsTo ELSE EmployeeID
    END AS ReportsTo

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FROM Northwnd.dbo.Employees;

INSERT INTO Northwind_DW.dbo.Dim_Customers (CustomerBK, CustomerName,
City, Region, Country)
SELECT
    CustomerID,
    CompanyName,
    City,
    ISNULL(Region, 'Unknown'),
    Country
FROM Northwnd.dbo.Customers;

INSERT INTO Northwind_DW.dbo.Dim_Orders (OrderBK, ShipCity,
ShipRegion, ShipCountry)
SELECT
    OrderID,
    ShipCity,
    ISNULL(ShipRegion, 'Unknown'),
    ShipCountry
FROM Northwnd.dbo.Orders;

INSERT INTO Northwind_DW.dbo.Fact_Sales (OrderSK, ProductSK, DateKey,
CustomerSK, EmployeeSK, UnitPrice, Quantity, Discount)
SELECT
    o.OrderSK,
    p.ProductSK,
    CONVERT(NVARCHAR, oo.OrderDate, 112),
    dc.CustomerSK,
    e.EmployeeSK,
    od.UnitPrice,
    od.Quantity,
    od.Discount

FROM NORTHWND.dbo.Customers c
    JOIN NORTHWND.dbo.Orders oo ON c.CustomerID = oo.CustomerID
    JOIN Northwind_DW.dbo.Dim_Orders o ON oo.OrderID = o.OrderBK
    JOIN Northwind_DW.dbo.Dim_Customers dc ON oo.CustomerID =
dc.CustomerBK
    JOIN Northwind_DW.dbo.Dim_Employees e ON oo.EmployeeID =
e.employeeBK
    JOIN Northwnd.dbo.[Order Details] od ON oo.OrderID =
od.OrderID
    JOIN Northwind_DW.dbo.Dim_Products p ON od.ProductID =
p.ProductBK ;

END ;

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EXEC PopulatedB

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GO

SELECT \*  
FROM Dim\_Orders

SELECT \*  
FROM Dim\_Products

SELECT \*  
FROM Dim\_Customers

SELECT \*  
FROM Dim\_Employees

SELECT \*  
FROM Fact\_Sales