create procedure EmptyDataMart

AS

DECLARE @RETURNCODE INT

SET @RETURNCODE = 1

BEGIN

delete from SaleFact

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart---SaleFact-',16,1)

delete from CustomerDimension

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart---CustomerDimension-',16,1)

delete from EmployeeDimension

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart---EmployeeDimension-',16,1)

delete from ProductDimension

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart---ProductDimension-',16,1)

delete from ShipperDimension

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart---ShipperDimension-',16,1)

delete from TimeDimension

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart---TimeDimension-',16,1)

if @@ERROR= 0

set @RETURNCODE = 0

else

RAISERROR('Procedure EmptyDataMart',16,1)

END

RETURN @RETURNCODE

Create table TimeDimension(TimeKey int Primary Key NONCLUSTERED IDENTITY(1,1) NOT NULL,

TheDate date,

DayOfWeek int,

DayOfWeekName nvarchar(30),

Month int,

MonthName nvarchar(30),

Year int,

Quarter int,

DayOfYear int,

Weekday nvarchar(1),

WeekOfYear int,

constraint check\_Weekday CHECK (Weekday='Y' OR Weekday='N')

)

sp\_help CustomerDimension

select ShippedDate,

DATEPART(weekday,ShippedDate) as DayOfWeek,

DATENAME(WEEKDAY,ShippedDate) AS DayOfWeekName,

DATEPART(month,ShippedDate) as Month,

DATENAME(month,ShippedDate) AS MonthName,

DATEPART(year,ShippedDate) as Year,

DATEPART(Quarter,ShippedDate) as Quarter,

DATEPART(dayofyear,ShippedDate) AS DayOfYear,

CHOOSE(datepart(dw, ShippedDate),'Y','Y','Y','Y','Y','N','N') as WeekDay,

DATEPART(week,ShippedDate)as WeekOfYear from Orders where ShippedDate IS NOT NULL

select DATENAME(WEEKDAY,ShippedDate) AS Result from Orders

SELECT Date FROM Orders where DATEPART(YYYY,Date)='2018' and DATEPART(MM,[Time])='06' and DATEPART(DD,[Time])='14'

select aarshdeepkaur1.dbo.CustomerDimension.CustomerKey,

aarshdeepkaur1.dbo.EmployeeDimension.EmployeeKey,

aarshdeepkaur1.dbo.ProductDimension.ProductKey,

aarshdeepkaur1.dbo.ShipperDimension.ShipperKey,

aarshdeepkaur1.dbo.TimeDimension.TimeKey,

Northwind.dbo.Orders.RequiredDate,

Northwind.dbo.[Order Details].Quantity AS LineItemQuantity,

Northwind.dbo.[Order Details].Quantity \* Northwind.dbo.[Order Details].UnitPrice \* Northwind.dbo.[Order Details].Discount AS LineItemDiscount,

Northwind.dbo.Orders.Freight/(select sum(Quantity) from Northwind.dbo.[Order Details] where Northwind.dbo.[Order Details].OrderID = Northwind.dbo.Orders.OrderID) \* Northwind.dbo.[Order Details].Quantity AS LineItemFreight,

Northwind.dbo.[Order Details].Quantity \* Northwind.dbo.[Order Details].UnitPrice as LineItemTotal

from aarshdeepkaur1.dbo.CustomerDimension,

aarshdeepkaur1.dbo.EmployeeDimension,

aarshdeepkaur1.dbo.ShipperDimension,

aarshdeepkaur1.dbo.TimeDimension,

aarshdeepkaur1.dbo.ProductDimension,

Northwind.dbo.Orders,

Northwind.dbo.[Order Details]

where

aarshdeepkaur1.dbo.CustomerDimension.CustomerID= Northwind.dbo.Orders.CustomerID and

aarshdeepkaur1.dbo.EmployeeDimension.EmployeeID= Northwind.dbo.Orders.EmployeeID and

aarshdeepkaur1.dbo.ProductDimension.ProductID=Northwind.dbo.[Order Details].ProductID and

aarshdeepkaur1.dbo.ShipperDimension.ShipperID=Northwind.dbo.Orders.ShipVia and

aarshdeepkaur1.dbo.TimeDimension.TheDate =Northwind.dbo.Orders.ShippedDate and

Northwind.dbo.[Order Details].OrderID=Northwind.dbo.Orders.OrderID AND

Northwind.dbo.Orders.ShippedDate is not null

SELECT EmployeeID,LastName,FirstName,HireDate FROM Employees